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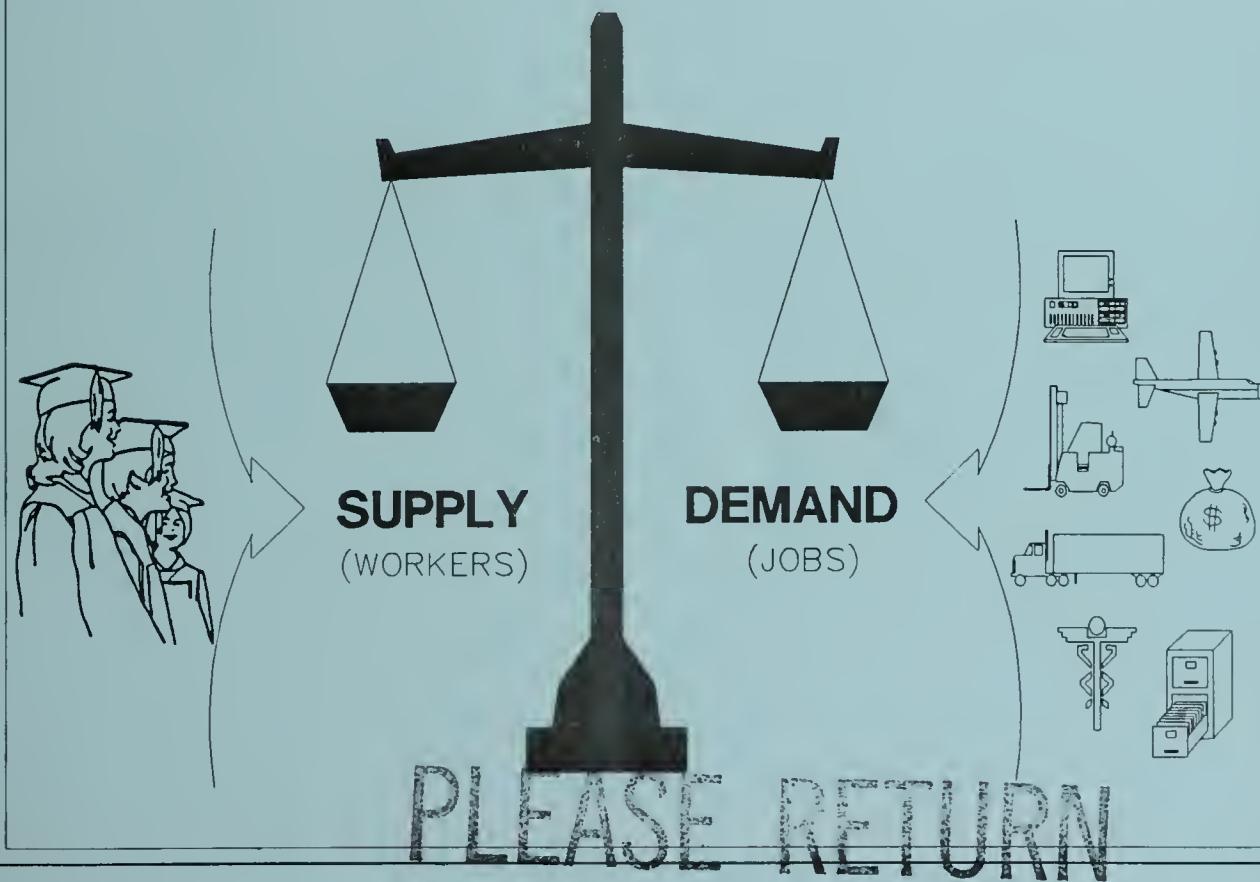
MONTANA SUPPLY/DEMAND REPORT

Seventh Edition
September, 1990

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MONTANA

SUPPLY/DEMAND

REPORT

September, 1990

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Stan Stephens, Governor**

**Department of Labor & Industry
Mike Micone, Commissioner**

Produced by:

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September, 1990

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The information contained within this publication would not have been possible without the joint effort and cooperation of the Montana SOICC's Technical Steering Committee (TSC). The TSC consists of representatives from the SOICC's six member agencies. They are recognized for their continued guidance and support. Current TSC members include:

- Phil Brooks, Office of the Commissioner of Higher Education, University System
- Bob Jahner, Rehabilitative Services Division, Department of Social and Rehabilitation Services
- Leonard Lombardi, Department of Curriculum Services, Office of Public Instruction
- Bob Rafferty, Research, Safety and Training Division, Department of Labor and Industry
- Patricia Roberts, Office of Research and Information Services, Department of Commerce
- Lorelee Robinson, Job Service Division, Department of Labor and Industry
- Anne Wolfinger, Montana Career Information System

Special thanks are extended to the staff of the Montana Career Information System; the Office of the Commissioner of Higher Education; the Office of Research and Information Services, Department of Commerce; the Research, Safety and Training and Job Service divisions, Department of Labor and Industry; Department of Curriculum Services, Office of Public Instruction; and the Rehabilitative/Visual Services Division, Department of Social and Rehabilitation Services. All offered valuable insight into the needs of the audiences and users they serve.

The efforts of Kate Kahle, SOICC Data Base Technician, have made a considerable contribution to this publication. Kate prepared reports using the Micro-Occupational Information System. She wrote much of the information contained within the 1990 edition of the "Montana Supply/Demand Report."

Points to Remember About the Montana SOICC

- The Montana SOICC is a committee.
- The SOICC and its work are really an extension of each of its member agencies and their individual agency work.
- All of the SOICC's work is accomplished through interagency cooperation.
- The SOICC compiles data from many agencies, then processes and analyzes the data in a technically appropriate manner to produce information usable by program planners, administrators, and people making career decisions.
- The SOICC's work minimizes duplication between agencies and improves the availability of *useful* information (particularly important in times of reduced budgets).
- The SOICC provides a formal structure that links the work done by education and labor agencies in Montana.
- The SOICC is responsible for designing, implementing, and maintaining a statewide, comprehensive Occupational Information System (OIS) based on current supply (workers) and demand (jobs).

For further information, write or call:

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Introduction

A continuing challenge faces education and training institutions. The challenge is to identify, design, and offer training programs that serve both the needs of individual participants and the needs of the economy and society. It is crucial that training programs designed to prepare individuals for specific occupations be realistic considering expected job openings (demand) and the expected number of persons available for, and prepared to fill them (supply).

Several factors must be considered in the design of training strategies. Occupational information can serve as a valuable asset to the planner. Recent legislation – in particular, the Carl Perkins Vocational Education Act of 1984 and the Job Training Partnership Act (JTPA) of 1982 – have stressed the value of providing and using occupational information. By mandating the development of national, state, and local occupational information systems (OIS), the common occupational needs of vocational education and employment and training programs are met. Special attention is paid to the labor market information needs of youth and adults.

An OIS adds an important dimension to planning processes because it provides comprehensive data on current and expected labor market conditions. Access to this information has several potential benefits for education and training institutions. For example, it may enable these institutions to play a greater role in economic development efforts, or to respond to employers' needs in a more systematic and timely fashion. The OIS offers planners a broad perspective of employment needs and an efficient means of learning about local labor market conditions.

An OIS, however, cannot provide a planner with a definite quantitative indicator of what to do about a program (For example: "30 additional people need to be

trained in program X."). Analysis and interpretation of possible causes for labor imbalances is not an exact science. Judgment, reason, and the experience of the planner, program advisory groups, and others all need to be considered in analyzing occupational information as a factor in program planning decisions.

An OIS can help planners make better informed decisions. It saves time and increases efficiency by flagging potential problems and documenting areas that are performing well. This allows planners to focus their attention and limited resources on areas that require action.

An OIS can also provide planners with documentation to justify program decisions and aid in getting approval of plans and funding. Showing the potential impact of a program on the economy of the community and the state could prove to be a critical point in getting funding. Use of a comprehensive integrated OIS can help planners justify decisions on the basis of economic impact and answer questions raised in the plan approval process.

The data can also help identify potential trouble spots in the performance of programs and related labor market conditions that may be causing them. OIS information can help educational planners develop programs that address the real and emerging needs of the economy.

Local governments can use information about employment, the supply of skilled workers, and available training programs to attract new businesses and industry. The system can provide information on occupational and employment trends to entrepreneurs who want to start small businesses.

Planning decisions can have broad policy implications and do involve consideration of many factors other than labor market conditions. Among them are:

- Financial resources

- Availability of qualified teachers
- Presence of tenured faculty
- Space
- Facilities
- Equipment
- Materials and curricula
- Student interest

Final recommendations about planning decisions frequently involve compromises or trade-offs of some kind between competing goals. These decisions can only be made by persons involved with and responsible for overseeing programs. What an OIS *can* provide is a common data base for coordinated planning within a state. It also provides a way for planners to identify and analyze areas that need attention.

The primary purpose for setting up SOICCs was, and continues to be, the development and maintenance of a comprehensive occupational information system based on supply (workers) and demand (jobs). These data, with data from the Montana Career Information System (MCIS), are used to support the career planning, guidance, and job search needs of various interest groups.

Organization of Reports

The reports in this publication include demand, supply, and analysis data.

The reports are organized by *clusters*. A *cluster* is the grouping of education/training programs that have common curricula with common occupations that are typically entered as a result of the training. Occupational demand, supply, and analysis characteristics are related to each other by clusters. Montana's OIS contains 75 clusters.

The reports are organized alphabetically by major cluster (e.g., Agriculture Cluster, Communications Cluster), then by sub-cluster (e.g., AG01 Agriculture Production,

AG02 Agriculture Business). There is a demand, supply, and analysis report for most clusters. (Some clusters, such as "LA01 Liberal Arts and Foreign Languages," may not have Montana data for all reports.)

All reports are identified at the top by what data they represent (e.g., "Demand Report," "Supply Report," or "Analysis Information"). The reports also show the cluster title and number.

Title and *Code* reflect the title of the occupation or training program.

Demand: Demand information is reported in Occupational Employment Statistics (OES) code. The OES is a five-digit code.

Supply: Supply information is reported in Classification of Instructional Programs (CIP) code. The CIP is a six-digit code.

Analysis: Analysis information is reported in Dictionary of Occupational Titles (DOT) code. The DOT is a nine-digit code.

A description of data elements for each type of report follows.

Demand Information

Demand is defined in this report as estimated jobs based on current industry surveys. The demand portion of this report consists of elements defined below.

OES Matrix Code (Occupational Employment Statistics) refers to a five-digit OES code that is *usually*—but not always—compatible with other occupational classification structures.

Demand Data Elements

1986 Employ (1986 Employment) refers to the number of people who were employed in Montana by occupation at the completion of the OES survey.

1995 Employ (1995 Employment) refers to an estimate of the number of people ex-

pected to be employed in the corresponding occupation in 1995. These data incorporate two factors: 1) openings due to growth or decline in the level of occupational demand, and 2) replacement demand resulting from labor force separations. Growth and decline in occupational demand occur because of changes in business/economic conditions and technological advancements. Projections are prepared using procedures set up by the U.S. Department of Labor's Bureau of Labor Statistics. Projections are later used to convert industry employment (captured via survey) to occupational employment in each industry. Results are totalled across industries to get projected employment by occupation.

Estimated Annual Growth refers to the average annual growth due to business/economic fluctuations and technological advancements.

Estimated Annual Replac (Replacements) refers to average annual job openings that occur as individuals leave their respective occupation because of retirement or death. Job openings which occur due to occupational transfers and migration are not available.

Estimated Annual Open (Openings) includes two parts: 1) job openings resulting from industry growth, and 2) job openings resulting from separation (deaths and retirements). Together, these parts make up total average annual openings by occupation.

Totals contains the cluster total of the demand report. A comparison of the cluster total of average annual openings and the supply cluster totals gives planners information on growing and declining groups of occupations. They can determine whether or not training programs should be increased, decreased, or changed using new curricula.

Limitations in OES Data

Occupational employment projections produced by the OES program are not precise measurements, but are "best estimates" based on a sample of Montana employers and historical industry employment trends. OES demand data offers users a standard and useful tool for making planning decisions. There is no source of available data that will give users an exact and current picture of occupational demand in their area. Users of demand data should be aware of the following:

- The data cover non-agricultural wage and salaried workers only (not agriculture or self-employed workers).
- Staffing patterns are based on statewide data and do not reflect possible variations from area to area of the state;
- Data are estimated, based on past trends, and therefore cannot predict unusual current or future economic conditions, or capture new occupations;
- Data should be used as estimates, not as exact figures for the state; and
- Average annual openings reflect growth and replacement. They do not reflect current openings due to turnover and mobility.

Further OES Information

Montana's 1995 industry/occupation projections provide reliable estimates of occupational demand. Projections were produced using a matrix based on the OES survey. This matrix deals with employers rather than households.

There are three major parts to the Occupational Employment Statistics program:

1) Survey of non-farm wage and salary employment. The OES survey involves a periodic mailing of survey forms to non-agricultural employers. This is done in a three-year cycle. Different major industries are surveyed each year so the entire sample is completed every three years.

2) Industry/Occupation matrix of staffing patterns. The matrix is a model representing the occupational staffing patterns of each industry. The staffing patterns are based on the result of the OES survey. An important function of the matrix is that it shows where people work (industries) and what they do (occupations).

3) Projections. The third part of the program is the projections, the primary goal of the OES program. There are three elements of the projections: industry projections, occupation projections, and job openings. Annual openings are openings due to growth and separations from the labor force.

The projections show what is likely to happen barring major changes from past trends. The major economic assumptions used by the U.S. Bureau of Labor Statistics are used in these projections. The assumptions are:

- The institutional framework of our economy will not change radically;
- There will be no major events such as a widespread, long-lasting energy shortage or a war which would significantly alter the industrial structure of our economy or the rate of economic growth; and
- Current technological, scientific, and social trends (such as values placed on work, education, income, and leisure) will continue.

The projection information can help us look into the future with some confidence. We must match individuals and jobs to decrease unemployment and increase job satisfaction — which could also benefit the business

community and taxpayers. By using the information provided, people will have a more realistic knowledge of Montana's employment trends and be able to make better decisions for the future.

Supply Information

Supply is defined as workers. *Current Supply* is the number of individuals employed in a particular occupation, plus the number of individuals qualified and seeking employment in Montana in that occupation. Montana's Occupational Information System (OIS) focuses on those people trained and available for employment in specific occupations in Montana at given points in time. An explanation of all elements contained within that report follows.

Completers is defined as the number of people completing training programs in Montana. Each training agency reports completers using the six-digit Classification of Instructional Programs (CIP) code. Data in this report are for the school year 1988-1989.

The numbers to the right of the CIP codes reflect the number of completers (supply of workers) trained by the various training agencies.

A common limitation in reporting completers is duplication between reporting agencies. Studies have determined that the duplication rate for completers is not more than 10% between and among state agency reporting systems.

Supply Data Elements

Public Second (Secondary) refers to the number of high school students who have completed four semesters of a vocational education training program and are available for work in the state.

Limitations: Class-based reporting systems may result in duplicate program enrollment or completion counts.

Voc Tech (Vocational Technical) represents completers from the five state Vocational Technical Centers.

Limitations: Class-based reporting often results in duplicate program enrollment or completion counts. Many postsecondary enrollees and completers are employed while learning.

Higher Educ (Higher Education) lists all certificates and degrees awarded from all units of the Montana University System, including universities, tribal, community, and private colleges.

Limitations: Class-based reporting often results in duplicate program enrollment or completion counts. Many postsecondary enrollees and completers are employed while learning. Non-accredited colleges and universities are excluded from reporting systems. Supply information here reflects only the actual number of degrees and certificates awarded.

JTPA (Job Training Partnership Act) refers to information compiled using the JTPA client file. We used data for eligible clients who received and completed training in either classroom or on-the-job training (OJT) during a one-year period. The data was collected from July 1, 1988 through June 30, 1989. The data was reported in DOT code and crosswalked to CIP code.

Limitations: The U.S. Department of Labor does not require detail on training programs and clients. Some clients are "recycled" through several training programs and could be counted several times. Data are not available by Social Security number – only via DOT code. Often, JTPA classroom training occurs through the vocational education system. A JTPA trainee could potentially be counted in vocational education reporting, thus duplicating the counts of the available labor supply for a given occupation.

Job Corps reflects completers from the three Montana Job Corps Training Centers

statewide. This information shows the number of persons (by training program) that returned to the state after completing a Job Corps training program, or left with marketable skills. Data was collected for the period July 1, 1988 to June 30, 1989.

Limitations: Job Corps centers are not required by any state or federal agency to report completer data. Tabulation of this information was done by the National Occupational Information Coordinating Committee (NOICC).

Priv School (Private School) includes completers from private training schools statewide, such as cosmetology schools, real estate schools, tax preparation schools, etc.

Limitations: JTPA clients and Vocational Rehabilitation clients enrolled in postsecondary career school programs are counted in their respective management information systems as well as by the SOICC's survey of these schools. Unfortunately, those individuals are counted twice in the report's supply data.

Voc Rehab (Vocational Rehabilitation) refers to completers trained with funds provided by Vocational Rehabilitation in Montana. Data is reported by DOT code and crosswalked to CIP code.

Limitations: Clients of Vocational Rehabilitation may receive services over an extended time, and their entry into the labor market is not always known. Some clients may not get specific occupational skills. Some may get training on generic skills that help to overcome handicaps. Job restructuring and job tailoring are key ingredients in vocational rehabilitation. After Voc Rehab training, some clients receive more training from other agencies, so the potential for duplication exists here.

Other supply sources not contained in this report, but which should be considered when making program training decisions, include:

- Occupational transfers (those who transfer from one occupation to another);
- The number of people who migrate in/out of Montana;
- Job Service applicants. Applicants provide a partial measure of the number of individuals seeking work through various employment agencies. Because the applicants are registered with Job Service, this measure of occupational supply covers only public sector agency registrants. This category is defined in the Analysis Information section of this publication; and
- Re-entrants to the labor force due to change in economic conditions (displaced workers).

Analysis Information

The OIS contains analysis information made up of data that include more definitive sources of occupational information. Analysis information is shown for each cluster by the nine-digit Dictionary of Occupational Titles (DOT) code. Data in this report are from July 1, 1988 through June 30, 1989.

Analysis Data Elements

Appren (Apprenticeship) information comes from the Apprenticeship and Training Bureau, Employment Policy Division, Montana Department of Labor and Industry, and the U.S. Department of Labor, Bureau of Apprenticeship and Training. This information contains the number of people in Montana who completed apprenticeship training programs during a one-year period.

The information presented on apprenticeship completers adds to the supply in certain occupations. This is particularly

true in the construction industry where completers become a part of the labor pool for many different employers.

LS App (Job Service Applicants) and *LS Open* (Job Service Openings) information contains data from the Job Service offices in Montana taken from the Employment Security Automated Reporting System (ESARS) reports. About 95% of all unemployment insurance claimants are registered applicants through the Job Service.

Caution should be used when using this data. ESARS data is reported from Table B96. The specific DOT codes summarized on Table B96 are selected on the basis of importance to employment testing, labor certification, occupational analysis, and labor market information. The decision to display these DOT codes is based on two criteria:

- 1) Importance to the national labor market in the current program year shown by receipt of over 1,000 job openings in that particular DOT, and
- 2) Importance to program operations in the areas of employment testing, labor certification, occupational analysis, or labor market information during the current program year.

Avg Hrwage (Average Hourly Wage) information comes from the "Fringe Benefit and Wage Information" publication from the Research and Analysis Bureau, Department of Labor and Industry. Data was collected through a survey of employers doing business in private non-agricultural industries within Montana.

The analysis information should be used with the supply of program completers and the estimated annual average job openings, along with any other information available for planning training programs.

NOTE: Military Returnees information was not available this year.

Summary

In summary, statewide supply/demand data are extremely useful as a planning and counseling tool. These data do have limitations. Each counselor's and planner's professional judgment, combined with all available local data, is paramount in the planning process.

If you have problems using this report or have suggestions to improve it, call the Montana SOICC at (406) 444-2741 for further information and explanation.

Montana Occupational and Education/Training Program Clusters List

Agriculture & Forestry Cluster

- AG01 Agriculture Production
- AG02 Agriculture Business
- AG03 Agriculture Mechanics
- AG04 Horticulture & Landscaping
- AG05 Forestry & Lumber Production
- AG06 Fish & Wildlife
- AG07 Animal Care

Communications Cluster

- CM01 Mass Communications
- CM02 Advertising & Writing
- CM03 Commercial Art & Graphic Art
- CM04 Printing & Photography

Finance, Insurance & Real Estate Cluster

- FR01 Finance
- FR02 Insurance
- FR03 Real Estate

Health Cluster

- HE01 Dental Technology
- HE02 Medical Laboratory
- HE03 Licensed Practical Nursing
- HE04 Surgical Technology
- HE05 Nursing Assistance
- HE06 Radiologic Technology
- HE07 Rehabilitation
- HE08 Other Medical Technology
- HE09 Registered Nursing
- HE10 Physician

Liberal Arts & Languages Cluster

- LA01 Liberal Arts & Foreign Languages
- LA02 History & Philosophy
- LA03 Library Arts
- LA04 Fine Arts
- LA05 Social Sciences

Marketing Cluster

- MK01 Marketing Management
- MK02 Sales
- MK03 Manufacturing
- MK04 Recreation & Tourism

Office Management Cluster

- OF01 Bookkeeping & Accounting
- OF02 Clerical Office Practice

- OF03 Office & Information Services
- OF04 Personnel, Labor Relations, & Law
- OF05 Secretarial Office Practice
- OF06 Administration/Office Management
- OF07 Data Entry & Computer Operation
- OF08 Computer Science & Programming

Protective Service Cluster

- PS01 Emergency Medical Technology
- PS02 Fire & Fire Safety
- PS03 Police Science & Criminology

Skills Cluster

- SK01 Electrical & Electronic Technology
- SK02 Appliance Repair
- SK03 Welding
- SK04 Carpentry & Construction Trades
- SK05 Heavy Equipment Repair
- SK06 Transportation & Engine Repair
- SK07 Machine Shop
- SK08 Metalworking
- SK09 Utilities
- SK10 Textiles

Service Cluster

- SV01 Custodial & Maintenance Service
- SV02 Vehicle Operators
- SV03 Barbering & Cosmetology
- SV04 Child Care Services
- SV05 Teaching, All Levels
- SV06 Food Production
- SV07 Food Service
- SV08 Mortuary Service
- SV09 Theological Service
- SV10 Social Work

Technology Cluster

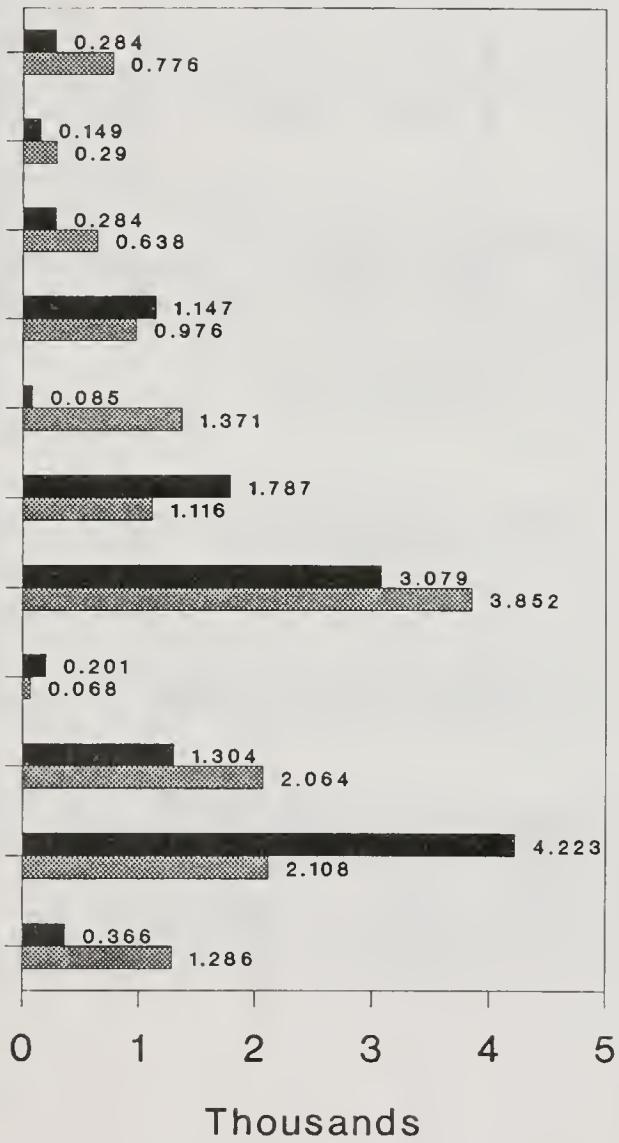
- TC01 Power Station Operator
- TC02 Architectural & Civil Technology
- TC03 Chemical Technology
- TC04 Environmental Control Technology
- TC05 Mechanical Technology
- TC06 Precision Instrument Technology
- TC07 Math & Physical Sciences
- TC08 Aviation
- TC09 Industrial Engineering
- TC10 Natural Resources Technology
- TC11 Engineering

MONTANA CLUSTERS

DEMAND VS. SUPPLY

ESTIMATED ANNUAL OPENINGS VS. TRAINING COMPLETERS

AGRICULTURE & FORESTRY



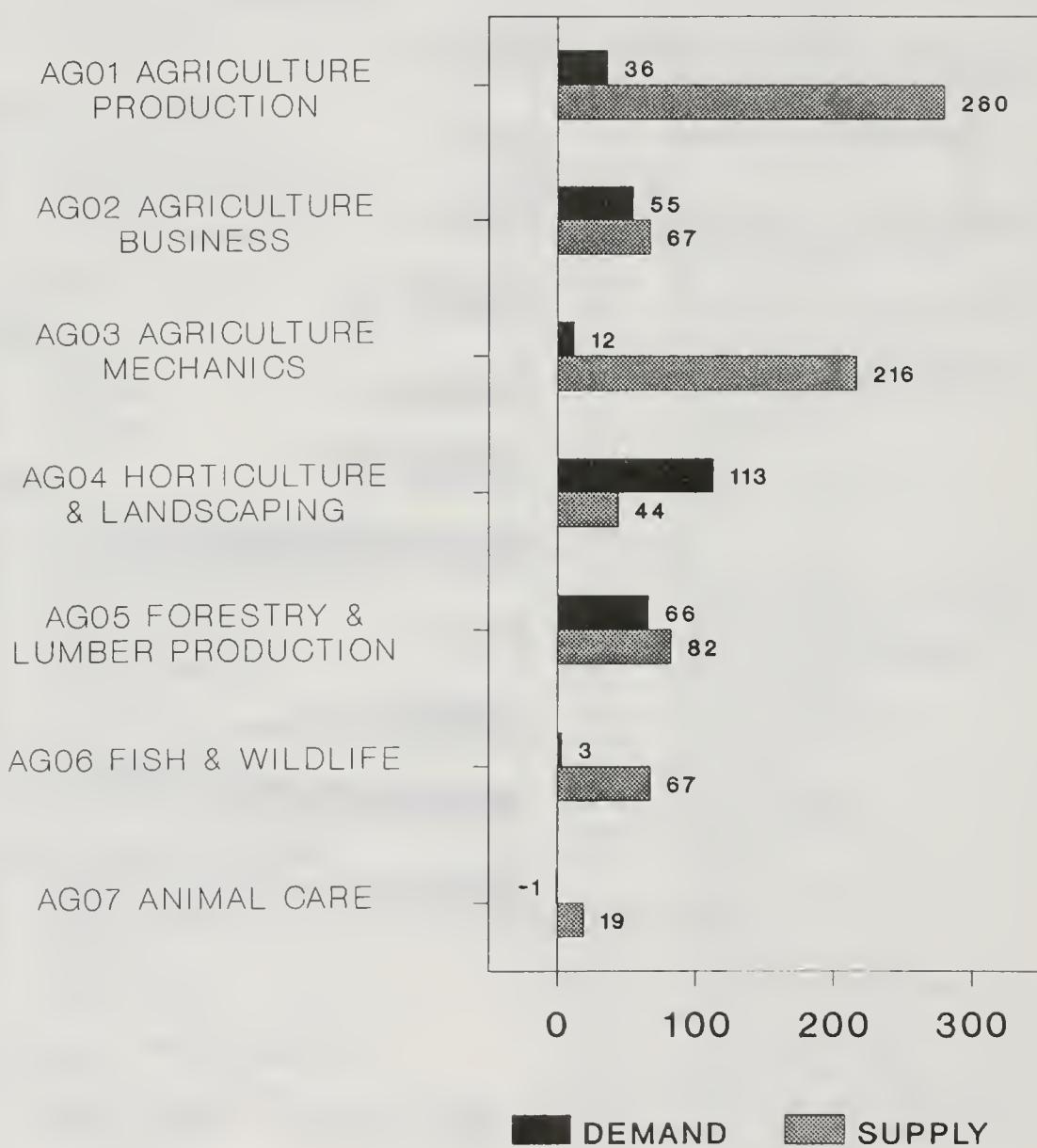
Thousands

■ DEMAND ■ SUPPLY

AGRICULTURE CLUSTERS

DEMAND VS. SUPPLY

ESTIMATED ANNUAL OPENINGS VS. TRAINING COMPLETERS



DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
AGRICULTURAL & FOOD SCIENTISTS	24305	184	210	3	4	7
BIOLOGICAL, AGRIC., FOOD TECHN.	24502	140	152	1	3	4
GRADERS & SORTERS, AGRIC.PRODUCT	79011	7	8	0	1	1
FARM EQUIPMENT OPERATORS	79021	5	5	0	0	0
ALL OTHER AGRIC., FOREST, FISH.	79999	506	559	6	18	24
***TOTALS		842	934	10	26	36

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
AGRICULTURAL PRODUCTI	01.0301	220							220
ANIMAL PRODUCTION	01.0302				2			2	4
CROP PRODUCTION	01.0304				5				5
FOOD PRODUCTS	01.0402				1				1
AGRICULTURAL SERVICES	01.0502				2				2
ANIMAL TRAINING	01.0505				1				1
ANIMAL SCIENCES, GENER	02.0201			30					30
LIVESTOCK	02.0208				1				1
AGRONOMY	02.0402			12				1	13
ENTOMOLOGY	26.0702			3					3
***TOTALS		220		45	12			3	280

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	Avg. HRWAGE
403.687-018	HARVEST WORKER, FRUIT	0	22	3	N.A.
404.687-010	FARMWORKER, FIELD CROP 2	0	7	0	N.A.
404.687-014	HARVEST WORKER, FIELD CROP	0	4	4	N.A.
410.134-010	SUPERVISOR, LIVESTOCK-YARD	0	0	0	5.34
410.674-018	LIVESTOCK-YARD ATTENDANT	0	0	0	4.36
410.684-010	FARMWORKER, DAIRY	0	22	0	N.A.
529.132-054	SUPERVISOR, FEED MILL	0	0	0	9.03
529.687-130	LABORER	0	5	0	N.A.
529.687-186	SORTER, AGRICULTURAL PRODUCE	0	154	4	N.A.
920.687-134	PACKER, AGRICULTURAL PRODUCE	0	13	0	N.A.
921.683-026	CONVEYOR OPERATOR	0	0	0	5.89

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
PURCHASING AGENTS & BUYERS, FARM	21305	135	155	2	9	11
PURCHASING AGENT EX.WHO/RET/FARM	21308	324	369	5	19	24
FARM & HOME MANAGEMENT ADVISORS	31323	289	305	2	14	16
FIRST LINE SUPERV.AG,FOREST,FISH	72002	161	172	1	3	4
***TOTALS		909	1001	10	45	55

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
AGRICULTURAL BUSINESS	01.0101			25					25
AGRICULTURAL BUSINESS	01.0102			9				1	10
AGRICULTURAL ECONOMIC	01.0103			6					6
AGRIBUSINESS & AGRICUL	01.9999			10					10
RANGE MANAGEMENT	02.0409			6					6
SOIL SCIENCES	02.0501			10					10
***TOTALS				66					1 67

NO ANALYSIS REPORT

DEMAND REPORT

[STATEWIDE]

- OCCUPATION - TITLE	OES CODE	MONTANA DEPARTMENT OF LABOR AND INDUSTRY		EST. ANNUAL 1986-1995		
		1986 EMPLOY	1995 EMPLOY	GROWTH	REPLAC	OPEN
AGRICULTURAL ENGINEERS	22123	19	22	0	3	3
FARM EQUIPMENT MECHANICS	85321	272	263	-1	10	9
***TOTALS		291	285	-1	13	12

SUPPLY REPORT

[STATEWIDE]

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC		JOB JTPA	PRIV. CORPS	VOC SCHOOL	TOTAL *****	SCHOOL YEAR 1988-89
				JTPA	PRIV.					
AGRICULTURAL MECHANIC 01.0201	193		11	1						205
AGRICULTURAL POWER MA 01.0204				6	2					8
AGRICULTURAL ENGINEER 14.0301				3						3
***TOTALS	193		11	10	2					216

ANALYSIS INFORMATION

[STATEWIDE]

D.O.T. CODE	D.O.T. TITLE	APPREN	MONTANA DEPARTMENT OF LABOR AND INDUSTRY		
			J.S. APPS	J.S. OPEN	AVG. HRWAGE
624.281-010 FARM-EQUIPMENT MECHANIC 1		0	35	22	N.A.
624.381-018 FARM-MACHINERY SET-UP MECHANIC		0	0	0	6.49

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
NURSERY WORKERS	79005	65	73	1	7	8
GARDENERS & GROUNDSKEEPERS	79014	860	989	14	91	105
***TOTALS		925	1062	15	98	113

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
HORTICULTURE, GENERAL	01.0601					1			1
LANDSCAPING	01.0605				4	1		1	6
NURSERY OPERATION & M	01.0606					3			3
TURF MANAGEMENT	01.0607					1		2	3
HORTICULTURE SCIENCE	02.0403			14				1	15
FLORAL DESIGN	20.0504					1		3	4
BOTANY, GENERAL	26.0301			8					8
PLANT PATHOLOGY	26.0305			4					4
***TOTALS				26	9	2		7	44

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
142.081-010	FLORAL DESIGNER	0	0	0	4.87
405.684-014	HORTICULTURAL WORKER 1	0	0	0	4.21
406.137-010	GREENSKEEPER 1	0	0	0	13.73
406.683-010	GREENSKEEPER 2	0	0	0	5.58
406.684-010	CEMETERY WORKER	0	14	16	N.A.
406.684-014	GROUNDKEEPER, INDUSTRIAL-COMMERCIAL	0	0	0	5.16
408.161-010	LANDSCAPE GARDENER	0	127	14	N.A.

DEMAND REPORT

[STATEWIDE]	MONTANA DEPARTMENT OF LABOR AND INDUSTRY					
- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
FORESTER, CONSERVATION SCIENTIST	24302	688	743	6	7	13
FALLERS & BUCKERS	73002	733	777	5	11	16
CHOKE SETTERS	73005	112	118	1	2	3
LOG HANDLING EQUIPMENT OPERATORS	73008	236	253	2	3	5
LOGGING TRACTOR OPERATORS	73011	457	484	3	4	7
ALL OTHER TIMBER CUTTING WORKERS	73099	3	3	0	0	0
FOREST & CONSERVATION WORKERS	79002	1087	1079	-1	20	19
LOG GRADERS & SCALERS	79008	62	66	0	1	1
HEAD SAWYERS	92305	115	123	1	1	2
***TOTALS		3493	3646	17	49	66

SUPPLY REPORT

[STATEWIDE]	SCHOOL YEAR 1988-89								
- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
FORESTRY PRODUCTION &	03.0401	32		1					33
FOREST PRODUCTION	03.0402							1	1
FOREST PRODUCTS UTILIZ	03.0403				2				2
FOREST PRODUCTS PROCE	03.0404				5				5
LOGGING	03.0405				5				5
FORESTRY & RELATED SCI	03.0501			12					12
FOREST MANAGEMENT	03.0506			20					20
FORESTRY & RELATED SCI	03.0599			4					4
***TOTALS		32		37	12				1 82

ANALYSIS INFORMATION

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

[STATEWIDE]

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
040.061-034	FORESTER	0	22	5	N.A.
452.364-010	FORESTER AIDE	0	486	225	N.A.
454.384-010	FALLER 1	0	0	0	12.51
454.683-010	TREE-SHEAR OPERATOR0	0	0	0	10.65
454.684-010	BUCKER	0	0	0	10.43
454.684-018	LOGGER, ALL-ROUND	0	0	0	11.10
454.687-010	CHAINSAW OPERATOR	0	0	0	10.37
455.487-010	LOG SCALER	0	0	0	11.26
663.682-010	BARKER OPERATOR	0	0	0	9.29
665.482-018	TIMBER-SIZER OPERATOR	0	0	0	10.08
667.482-010	LOG-CUT-OFF SAWYER, AUTOMATIC	0	0	0	8.70
667.482-022	TRIMMER SAWYER	0	0	0	10.01
667.662-010	HEAD SAWYER	0	0	0	11.94
667.682-058	RESAW OPERATOR	0	0	0	9.68
667.686-014	SAWMILL WORKER	0	0	0	8.38
669.587-010	GRADER	0	0	0	10.00
921.683-058	LOG LOADER	0	0	0	11.74
921.687-014	CHOKE SETTER	0	0	0	12.51
929.683-010	LOGGING-TRACTOR OPERATOR	0	208	70	N.A.

CLUSTER TITLE: FISH & WILDLIFE**CLUSTER CODE AG06****D E M A N D R E P O R T****[STATEWIDE]****MONTANA DEPARTMENT OF LABOR AND INDUSTRY**

- OCCUPATION - TITLE	OES	1986	1995	EST. ANNUAL 1986-1995		
	CODE	EMPLOY	EMPLOY	GROWTH	REPLAC	OPEN
FISH & GAME WARDENS	63041	71	76	1	2	3
***TOTALS		71	76	1	2	3

S U P P L Y R E P O R T**[STATEWIDE]****SCHOOL YEAR 1988-89**

- PROGRAM - TITLE	CIP	PUBLIC	VOC	HIGHER	JOB	PRIV.	VOC	TOTAL	*****
	CODE	SECOND	TECH	EDUC	JTPA	CORPS	SCHOOL	REHAB	
CONSERVATION & REGULA	03.0201			8					8
CONSERVATION	03.0202					7			7
WILDLIFE MANAGEMENT	03.0601			51				1	52
***TOTALS				59		7		1	67

NO ANALYSIS REPORT

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	GROWTH	EST. ANNUAL REPLAC	1986-1995 OPEN
VETERINARIANS, VET. INSPECTORS	32114	22	25	0	0	0
ANIMAL CARETAKERS, EXCEPT FARM	79017	83	69	-2	1	-1
***TOTALS		105	94	-2	1	-1

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
HORSE HANDLING & CARE	01.0507					1			1
CLINICAL ANIMAL TECHNO	17.0303					2			2
VETERINARIAN ASSISTING	17.0512					3			2 5
ZOOLOGY, GENERAL	26.0701				11				11
***TOTALS					11	6			2 19

ANALYSIS INFORMATION

[STATEWIDE]

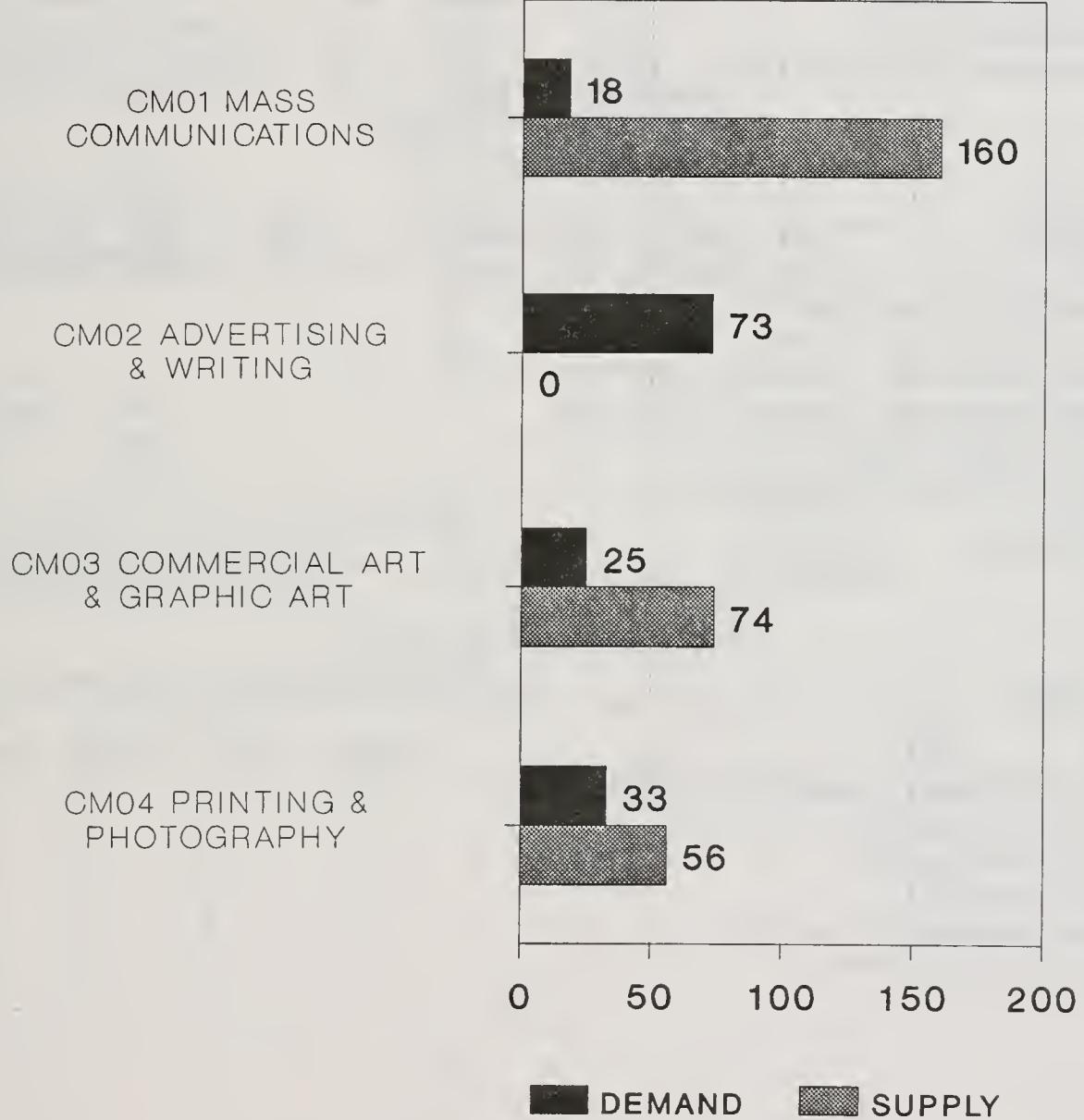
MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
073.101-010	VETERINARIAN	0	7	0	N.A.
410.687-022	SHEEP HERDER	0	28	20	N.A.

COMMUNICATIONS CLUSTERS

DEMAND VS. SUPPLY

ESTIMATED ANNUAL OPENINGS VS. TRAINING COMPLETERS



DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	REPLAC	OPEN
REPORTERS & CORRESPONDENTS	34011	197	217	2	11	13
BROADCAST NEWS ANALYSTS	34014	59	55	0	3	3
ANNOUNCERS, RADIO & TV	34017	436	404	-4	4	0
BROADCAST TECHNICIANS	34028	71	69	0	1	1
PROOFREADERS & COPY MARKERS	53911	17	19	0	1	1
***TOTALS		780	764	-2	20	18

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
COMMUNICATIONS, GENE	09.0101			24					24
JOURNALISM (MASS COM	09.0401			28					28
RADIO, TELEVISION, GEN	09.0701	33		11				2	46
RADIO/TELEVISION PROD	10.0104					40		1	41
SOUND RECORDING TECH	10.0105					2			2
VIDEO TECHNOLOGY	10.0106							1	1
COMPOSITION	23.0401			3					3
CREATIVE WRITING	23.0501			15					15
***TOTALS		33		81			42	4	160

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
003.167-030	ENGINEER-IN-CHARGE, STUDIO OPERATIONS	0	0	0	14.29
131.067-014	COPY WRITER	0	0	0	8.14
131.267-010	NEWSCASTER	0	0	0	6.32
131.267-018	REPORTER	0	0	0	6.79
163.167-014	MANAGER, CIRCULATION	0	6	2	9.42
184.167-014	DIRECTOR, NEWS	0	0	0	8.88

DEMAND REPORT

[STATEWIDE]	MONTANA DEPARTMENT OF LABOR AND INDUSTRY					
- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	REPLAC	OPEN
MARKETING, ADV., PUBLIC REL.MGRS	13011	700	773	8	13	21
WRITERS & EDITORS	34002	306	328	2	18	20
TECHNICAL WRITERS	34005	15	20	1	0	1
PUBLIC RELATIONS SPECIALISTS	34008	190	200	1	6	7
SALES AGENTS, ADVERTISING	43023	429	458	3	20	23
ADVERTISING CLERKS	53908	66	75	1	0	1
***TOTALS		1706	1854	16	57	73

NO SUPPLY REPORT

ANALYSIS INFORMATION

[STATEWIDE]	MONTANA DEPARTMENT OF LABOR AND INDUSTRY				
D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
131.267-026	WRITER, TECHNICAL PUBLICATIONS	0	21	1	8.47
132.037-022	EDITOR, PUBLICATIONS	0	0	0	7.83
163.167-010	MANAGER, ADVERTISING	0	0	0	8.56

CLUSTER TITLE: COMMERCIAL ART & GRAPHIC ART

CLUSTER CODE CM03

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	GROWTH	EST. ANNUAL REPLAC	1986-1995 OPEN
ARTISTS & RELATED WORKERS	34035	92	117	3	5	8
DESIGNERS, EXC. INTERIOR DESIGN.	34038	195	238	5	5	10
INTERIOR DESIGNERS	34041	76	99	3	2	5
MERCHANDISE DISPLAYERS	34044	79	83	0	2	2
***TOTALS		442	537	11	14	25

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
INTERIOR DESIGN	04.0501			2					2
GRAPHIC ARTS	21.0106		61						61
COMMERCIAL ART	48.0203				1			1	2
FIBER/TEXTILES/WEAVING	50.0204				1				1
GRAPHIC DESIGN	50.0402					4			4
SCULPTURE	50.0709				1				1
PRINTMAKING	50.0710				1			2	3
***TOTALS		61		2	4		4	3	74

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
141.061-018	GRAPHIC DESIGNER	0	0	0	6.05

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
PHOTOGRAPHERS	34023	106	121	2	2	4
CAMERA OPERATORS, TV & MOVIES	34026	34	35	0	1	1
PRECISION COMPOSITOR, TYPESETTER	89702	61	61	0	1	1
JOB PRINTERS	89705	61	67	1	2	3
PRECISION LITHOGRAPHERS & PHOTO.	89708	31	34	0	0	0
BOOKBINDERS	89711	11	12	0	2	2
ALL OTHER PRECISION PRINTING	89799	1	1	0	0	0
PHOTOGRAPHIC PROCESS WORKERS	89914	5	5	0	0	0
OFFSET LITHOGRAPHIC PRESS SETTER	92512	74	80	1	2	3
LETTERPRESS SETTER/OPERATOR	92515	28	26	0	1	1
ALL OTHER PRINTING PRESS SET/OP.	92519	1	1	0	0	0
PHOTOENGRAVING & LITH. PHOTOGRA.	92521	18	20	0	0	0
SCREEN PRINTING MACH. SETTER/OP.	92524	2	4	0	0	0
BINDERY MACHINE SETTER/OPERATOR	92525	25	27	0	0	0
TYPESETTING MACH. OPERATOR/TEND.	92541	85	91	1	2	3
PRINTING PRESS MACHINE OPERATOR	92543	134	150	2	5	7
PHOTOENGRAVING & LITHOG. OPER.	92545	14	15	0	0	0
BINDERY MACHINE OPERATORS	92546	34	36	0	0	0
ALL OTHER PRINTING, BINDING, REL	92599	2	2	0	0	0
MOTION PICTURE PROJECTIONISTS	92905	60	51	-1	8	7
PHOTOGRAPHIC PROCESSING MACH.OP.	92908	62	73	1	0	1
***TOTALS		849	912	7	26	33

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
GRAPHIC & PRINTING CO	48.0201	41		5					46
COMMERCIAL PHOTOGRAP	48.0204				1				1
PHOTOGRAPHIC LABORAT	48.0207				1				1
PRINTING PRESS OPERATI	48.0208				3	1		2	6
SILK SCREEN MAKING & PR	48.0209				2				2
***TOTALS		41		5	6	1		3	56

A N A L Y S I S I N F O R M A T I O N

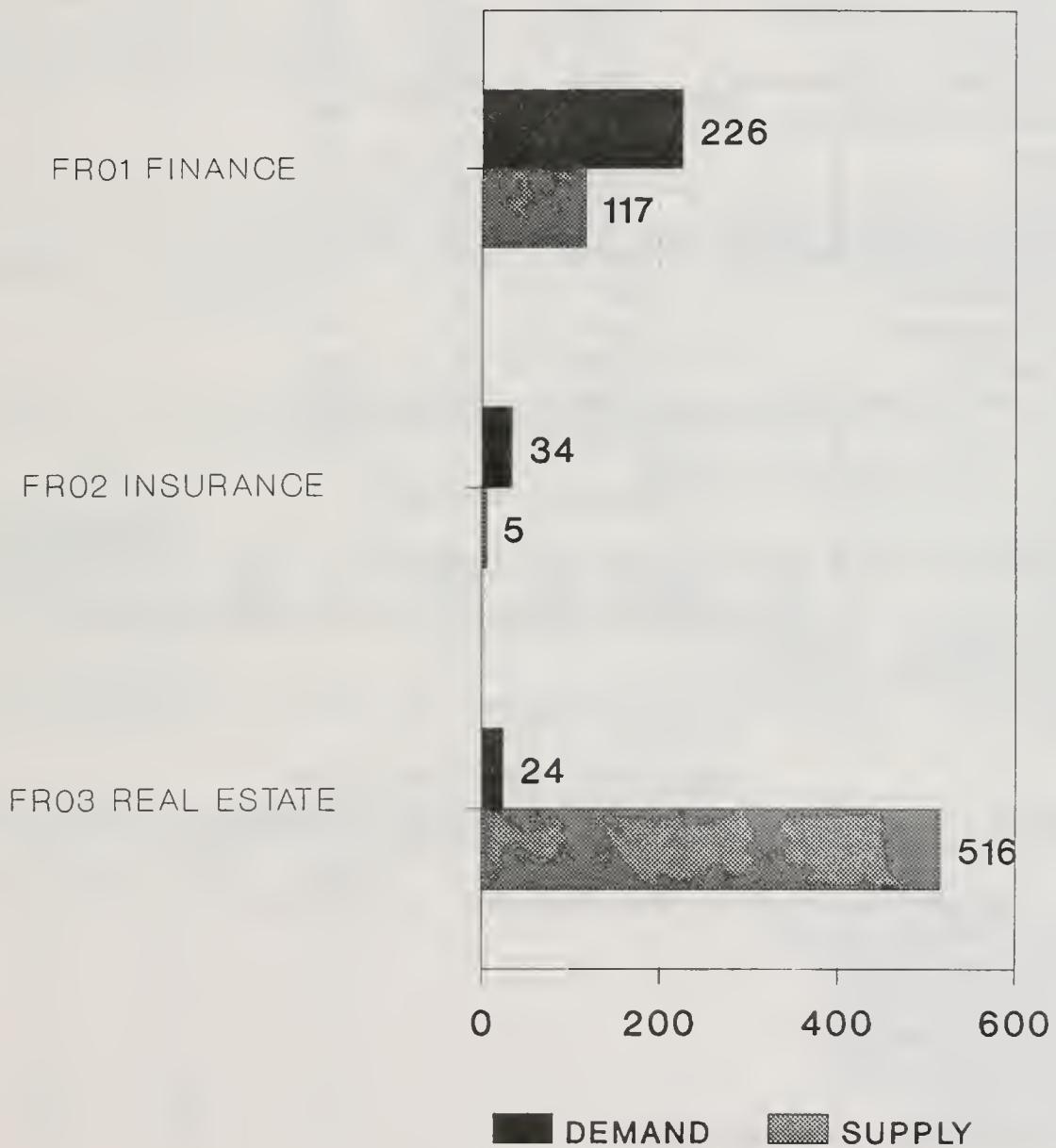
[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
194.282-010	VIDEO OPERATOR	0	0	0	6.03
203.582-062	TYPESETTER-PERFORATOR OPERATOR	0	5	3	N.A.
207.682-018	OFFSET-DUPLICATING-MACHINE OPERATOR	0	0	2	N.A.
209.387-030	PROOFREADER	0	6	1	N.A.
650.582-014	MONOTYPE-KEYBOARD OPERATOR	0	1	0	N.A.
650.582-022	PHOTOTYPESETTER OPERATOR	0	0	0	7.03
651.362-010	CYLINDER-PRESS OPERATOR	0	0	0	7.73
651.362-030	WEB-PRESS OPERATOR	2	2	3	N.A.
651.380-010	PRINTER 2	0	0	0	8.75
651.482-010	OFFSET-PRESS OPERATOR 1	0	0	0	8.45
653.382-010	FOLDING-MACHINE OPERATOR	0	1	0	N.A.
653.685-010	BINDERY WORKER	0	0	0	6.36
659.130-010	SUPERVISOR, PRINTING-SHOP	0	0	0	10.04
971.381-050	STRIPPER	0	0	1	9.54
972.382-014	PHOTOGRAPHER, LITHOGRAPHIC	0	0	0	8.10
973.381-010	COMPOSITOR	0	0	0	6.98
976.487-010	PHOTOGRAPH FINISHER	0	3	0	N.A.
976.682-014	PRINTER OPERATOR, BLACK-AND-WHITE	0	6	0	N.A.

*FIRE CLUSTERS DEMAND VS. SUPPLY

ESTIMATED ANNUAL OPENINGS VS. TRAINING COMPLETERS



*FIRE = FINANCE, INSURANCE, REAL ESTATE

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	REPLAC	OPEN
FINANCIAL MANAGERS	13002	2178	2504	36	58	94
CREDIT ANALYSTS	21105	365	424	7	13	20
LOAN OFFICERS & COUNSELORS	21108	303	335	4	7	11
TAX PREPARERS	21111	175	185	1	4	5
ALL OTHER FINANCIAL SPECIALISTS	21199	206	228	2	5	7
TAX EXAMINER, COLLECTOR, REV. AGENT	21914	207	206	0	10	10
ASSESSORS	21917	312	345	4	15	19
ACTUARIES	25313	19	27	1	1	2
FINANCIAL ANALYSTS, STATISTICAL	25315	44	54	1	3	4
SECURITIES, FINANCIAL SERV. SALES	43014	354	471	13	21	34
LOAN INTERVIEWERS	53111	46	55	1	1	2
CREDIT AUTHORIZERS	53114	18	21	0	1	1
CREDIT CHECKERS	53117	94	121	3	2	5
BILL & ACCOUNT COLLECTORS	53508	260	324	7	5	12
***TOTALS		4581	5300	80	146	226

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
BANKING & FINANCE	06.0301			113					113
FINANCIAL SERVICES MAR	08.0401				3			1	4
***TOTALS			113	3			1	117	

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
020.167-014	FINANCIAL ANALYST	0	0	0	18.62
186.117-074	TRUST OFFICER	0	0	0	15.65
186.267-018	LOAN OFFICER	0	0	0	12.62
191.267-014	CREDIT ANALYST	0	0	0	10.25
205.367-022	CREDIT CLERK	0	0	0	7.24
211.362-018	TELLER	0	273	168	5.42
219.132-014	SUPERVISOR, TRUST ACCOUNTS	0	0	0	9.43

DEMAND REPORT

[STATEWIDE]	MONTANA DEPARTMENT OF LABOR AND INDUSTRY						
- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN	
UNDERWRITERS	21102	174	225	6	5	11	
SPECIAL AGENTS, INSURANCE	21505	133	174	5	3	8	
CLAIMS EXAMINERS, INSURANCE	21921	40	50	1	2	3	
INSURANCE ADJUSTERS, INVESTIGATORS	53302	225	291	7	5	12	
INSURANCE APPRAISERS, AUTO DAMAGE	53305	4	5	0	0	0	
	***TOTALS	576	745	19	15	34	

SUPPLY REPORT

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
INSURANCE CLERK	07.0203					5			5
	***TOTALS					5			5

ANALYSIS INFORMATION

[STATEWIDE]	MONTANA DEPARTMENT OF LABOR AND INDUSTRY	J.S. APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
D.O.T. CODE	D.O.T. TITLE				
166.167-046	SPECIAL AGENT	0	0	0	13.21
169.167-058	UNDERWRITER	0	19	1	7.36
214.482-022	RATER	0	6	2	5.58
219.362-042	POLICY-CHANGE CLERK	0	0	0	4.94
241.217-010	CLAIM ADJUSTER	0	25	3	11.66
241.267-018	CLAIM EXAMINER	0	0	0	11.61
241.362-010	CLAIMS CLERK 1	0	0	0	7.23

CLUSTER TITLE: REAL ESTATE

CLUSTER CODE FR03

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
PROPERTY, REAL ESTATE MANAGEMENT	15011	5	5	0	0	0
TITLE SEARCHERS	28308	53	61	1	3	4
BROKERS, REAL ESTATE	43005	89	102	1	5	6
SALES AGENTS, REAL ESTATE	43008	89	104	2	5	7
REAL ESTATE APPRAISERS	43011	79	95	2	5	7
***TOTALS		315	367	6	18	24

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
REAL ESTATE	06.1701		27	2			487		516
***TOTALS			27	2			487		516

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

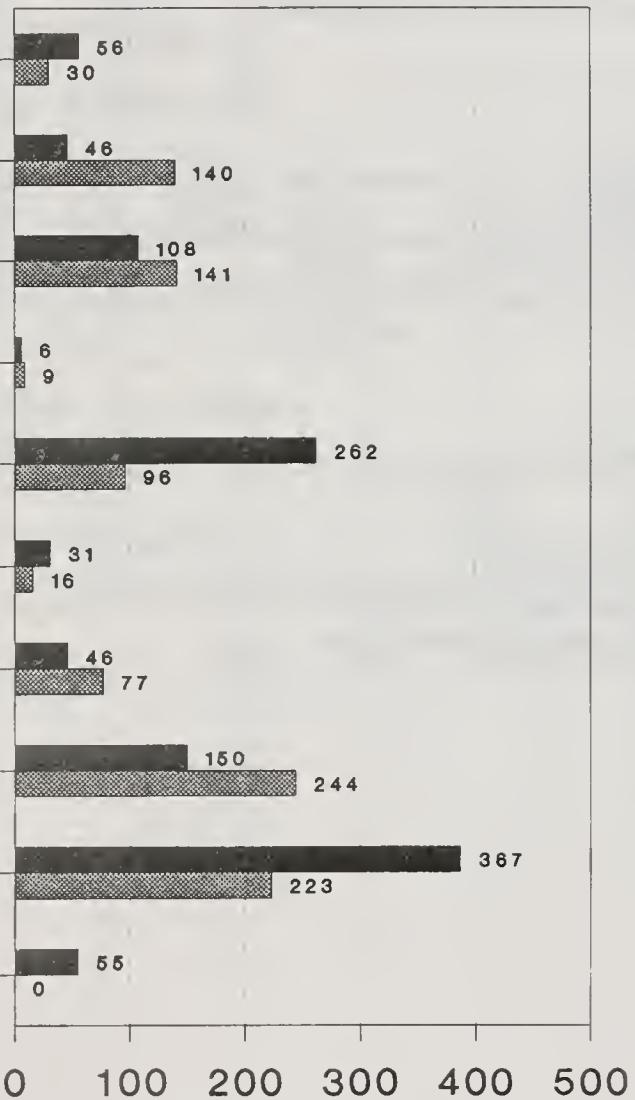
D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
186.167-046	MANAGER, PROPERTY	0	0	0	11.13

HEALTH CLUSTERS

DEMAND VS. SUPPLY

ESTIMATED ANNUAL OPENINGS VS. TRAINING COMPLETERS

HE01 DENTAL TECHNOLOGY



HE10 PHYSICIAN

DEMAND REPORT

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	REPLAC	OPEN
DENTISTS	32105	256	322	7	18	25
DENTAL HYGIENISTS	32908	273	344	8	2	10
DENTAL ASSISTANTS	66002	574	720	16	2	18
DENTAL LABORATORY TECHNICIANS	89921	52	67	2	1	3
***TOTALS		1155	1453	33	23	56

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
DENTAL ASSISTING	17.0101		12			6			18
DENTAL HYGIENE	17.0102			12				12	
***TOTALS			12	12	6				30

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
072.101-010 DENTIST		0	3	0	N.A.
078.361-010 DENTAL HYGIENIST		0	5	9	12.12
079.371-010 DENTAL ASSISTANT		2	121	53	6.00

DEMAND REPORT

[STATEWIDE]	MONTANA DEPARTMENT OF LABOR AND INDUSTRY					
- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	GROWTH	EST. ANNUAL REPLAC	OPEN
BIOLOGICAL SCIENTISTS	24308	391	433	5	14	19
MEDICAL SCIENTISTS	24311	23	32	1	1	2
ALL OTHER LIFE SCIENTISTS	24399	174	187	1	2	3
MED./CLINICAL LAB. TECHNOLOGISTS	32902	556	647	10	6	16
MED./CLINICAL LAB. TECHNICIANS	32905	187	219	4	2	6
***TOTALS		1331	1518	21	25	46

SUPPLY REPORT

[STATEWIDE]	SCHOOL YEAR 1988-89								
- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
MEDICAL TECHNOLOGY	17.0310			11			8		19
BIOLOGY, GENERAL	26.0101			86				3	89
BIOCHEMISTRY & BIOPHY	26.0201							1	1
MICROBIOLOGY	26.0501			31					31
***TOTALS				128			8	4	140

ANALYSIS INFORMATION

[STATEWIDE]	MONTANA DEPARTMENT OF LABOR AND INDUSTRY				
D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
041.061-030	BIOLOGIST	0	31	12	N.A.
078.361-014	MEDICAL TECHNOLOGIST	0	19	8	10.88
078.381-010	MEDICAL-LABORATORY ASSISTANT	0	0	0	8.01
078.381-014	MEDICAL-LABORATORY TECHNICIAN	0	12	9	N.A.

CLUSTER TITLE: LICENSED PRACTICAL NURSING

CLUSTER CODE HE03

DEMAND REPORT

[STATEWIDE]	MONTANA DEPARTMENT OF LABOR AND INDUSTRY						
- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN	
LICENSED PRACTICAL NURSES	32505	1711	2038	36	72	108	
***TOTALS		1711	2038	36	72	108	

SUPPLY REPORT

[STATEWIDE]	SCHOOL YEAR 1988-89								
- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
PRACTICAL NURSING	17.0605		128		9			4	141
***TOTALS			128		9			4	141

ANALYSIS INFORMATION

[STATEWIDE]	MONTANA DEPARTMENT OF LABOR AND INDUSTRY				
D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
079.374-014	NURSE, LICENSED PRACTICAL	0	193	132	6.80
354.374-010	NURSE, PRACTICAL	0	23	1	N.A.

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
SURGICAL TECHNICIANS	32928	135	179	5	1	6
	***TOTALS	135	179	5	1	6

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
SURGICAL TECHNOLOGY	17.0211			9					9
	***TOTALS			9					9

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
079.374-022	SURGICAL TECHNICIAN	0	10	3	7.40

CLUSTER TITLE: NURSING ASSISTANCE

CLUSTER CODE HE05

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
MEDICAL ASSISTANTS	66005	196	271	8	6	14
NURSING AIDS & ORDERLIES	66008	3766	4532	85	119	204
HOME HEALTH AIDS	66011	490	532	5	39	44
***TOTALS		4452	5335	98	164	262

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
NURSING ASSISTING	17.0602		38		42	13		3	96
***TOTALS			38		42	13		3	96

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
079.367-010 MEDICAL ASSISTANT		0	41	3	5.95
355.674-014 NURSE AIDE		0	1276	672	5.52
355.674-018 ORDERLY		0	35	15	N.A.

DEMAND REPORT

[STATEWIDE]

- OCCUPATION - TITLE	OES CODE	1986	1995	EST. ANNUAL 1986-1995		
		EMPLOY	EMPLOY	GROWTH	REPLAC	OPEN
NUCLEAR MEDICINE TECHNOLOGISTS	32914	18	23	1	0	1
RADIOLOGIC TECHNOL. & TECHNICIAN	32916	403	527	14	16	30
***TOTALS		421	550	15	16	31

SUPPLY REPORT

[STATEWIDE]

- PROGRAM - TITLE	CIP CODE	PUBLIC	VOC	HIGHER EDUC	JOB JTPA	PRIV. CORPS	VOC SCHOOL	SCHOOL REHAB	TOTAL *****
		SECOND	TECH						
RADIOLOGIC (MEDICAL) TE 17.0209							16		16
***TOTALS							16		16

NO ANALYSIS REPORT

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
RESPIRATORY THERAPISTS	32302	193	253	7	7	14
OCCUPATIONAL THERAPISTS	32305	59	76	2	10	12
PHYSICAL THERAPISTS	32308	202	267	7	2	9
CORRECT. & MANUAL ARTS THERAPIST	32311	11	13	0	0	0
RECREATION THERAPISTS	32317	83	101	2	1	3
ALL OTHER THERAPISTS	32399	37	45	1	1	2
PHYSICAL, CORRECT.THERAPY ASSIST	66017	126	146	2	3	5
OCCUPATIONAL THERAPY ASSISTANTS	66021	27	30	0	1	1
***TOTALS		738	931	21	25	46

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
RESPIRATORY THERAPY T	17.0210		38						38
EXERCISE PHYSIOLOGY	17.0804			3					3
PHYSICAL THERAPY	17.0813			16					16
PHYSICAL THERAPY ASSIS	17.0815				1				1
RESPIRATORY THERAPY	17.0818				1			1	2
RESPIRATORY THERAPY A	17.0819				1				1
REHABILITATION SERVICE	17.0899			16					16
***TOTALS		38	35	3				1	77

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
076.121-010	OCCUPATIONAL THERAPIST	0	3	1	N.A.
076.121-014	PHYSICAL THERAPIST	0	4	3	11.43
076.364-010	OCCUPATIONAL THERAPY ASSISTANT	0	1	0	N.A.
078.362-026	RADIOLOGIC TECHNOLOGIST	0	0	0	9.00
079.361-010	RESPIRATORY THERAPIST	0	19	12	8.80
355.354-010	PHYSICAL THERAPY AIDE	0	0	0	6.33
355.377-010	OCCUPATIONAL THERAPY AIDE	0	0	0	6.65

DEMAND REPORT

[STATEWIDE]	MONTANA DEPARTMENT OF LABOR AND INDUSTRY					
- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
PSYCHOLOGISTS	27108	222	260	4	4	8
OPTOMETRISTS	32108	72	89	2	2	4
ALL OTHER HEALTH PRACTITIONERS	32199	14	15	0	2	1
SPEECH PATHOLOGISTS,AUDIOLOGISTS	32314	184	216	4	1	5
PHYSICIAN ASSISTANTS	32511	112	143	3	1	4
OPTICIANS, DISPENSING & MEASUR.	32514	215	239	3	14	17
PHARMACISTS	32517	429	538	12	19	31
DIETITIANS & NUTRITIONISTS	32521	172	204	4	9	13
DIETETIC TECHNICIANS	32523	29	35	1	2	3
ELECTROENCEPHALOGRAPH TECHN.	32923	14	19	1	0	1
ELECTROCARDIOGRAPH TECHNICIANS	32926	46	62	2	0	2
ALL OTHER HEALTH PROF., PARA,TECH	32999	653	750	11	6	17
PSYCHIATRIC AIDES	66014	283	338	6	9	15
PHARMACY ASSISTANTS	66026	73	94	2	2	4
ALL OTHER HEALTH SERVICE WORKERS	66099	221	264	5	20	25
***TOTALS	2739	3266	60	90	150	

SUPPLY REPORT

[STATEWIDE]	SCHOOL YEAR 1988-89								
- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
OPTICAL TECHNOLOGY	15.0606				1				1
ALCOHOL/DRUG ABUSE S	17.0401			2					2
MENTAL HEALTH/HUMAN S	17.0406			15	1				16
MENTAL HEALTH/HUMAN S	17.0499			46					46
OPTOMETRIC TECHNOLOG	17.0705				1				1
ALLIED HEALTH, OTHER	17.9999			2					2
PHARMACY	18.1401			30					30
MISC. SPECIALIZED AREAS	26.0699			13					13
HEALTH-RELATED ACTIVITI	34.0101			9					9
PSYCHOLOGY, GENERAL	42.0101			124					124
***TOTALS		241	3						244

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
074.161-010	PHARMACIST	0	6	1	14.05
074.387-010	PHARMACY HELPER	0	0	0	5.83
076.107-010	SPEECH PATHOLOGIST	0	0	0	10.40
077.117-010	DIETITIAN, CHIEF	0	3	2	N.A.
077.121-010	DIETETIC TECHNICIAN	0	0	0	8.86
078.362-018	ELECTROCARDIOGRAPH TECHNICIAN	0	0	0	6.83
078.362-022	ELECTROENCEPHALOGRAPHIC TECHNOLOGIST	0	0	0	7.21
079.364-014	OPTOMETRIC ASSISTANT	0	0	0	6.27
355.377-014	PSYCHIATRIC AIDE	0	78	61	N.A.

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
REGISTERED NURSES	32502	4851	6734	209	178	387
	***TOTALS	4851	6734	209	178	387

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
NURSING, GENERAL	18.1101			217	3			2	222
NURSING, OTHER	18.1199							1	1
	***TOTALS			217	3			3	223

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
075.117-022	DIRECTOR, NURSING SERVICE	0	0	0	11.04
075.127-018	NURSE, HEAD	0	0	0	12.57
075.127-022	NURSE, SUPERVISOR	0	0	0	12.53
075.374-010	NURSE, GENERAL DUTY	0	146	119	10.92
075.374-014	NURSE, OFFICE	0	0	0	9.01

CLUSTER TITLE: PHYSICIAN

CLUSTER CODE HE10

DEMAND REPORT

[STATEWIDE]

- OCCUPATION - TITLE	OES CODE	MONTANA DEPARTMENT OF LABOR AND INDUSTRY			EST. ANNUAL 1986-1995		
		1986 EMPLOY	1995 EMPLOY	GROWTH	REPLAC	OPEN	
PHYSICIANS & SURGEONS	32102	614	766	17	36	53	
PODIATRISTS	32111	6	6	0	2	2	
***TOTALS		620	772	17	38	55	

NO SUPPLY REPORT

ANALYSIS INFORMATION

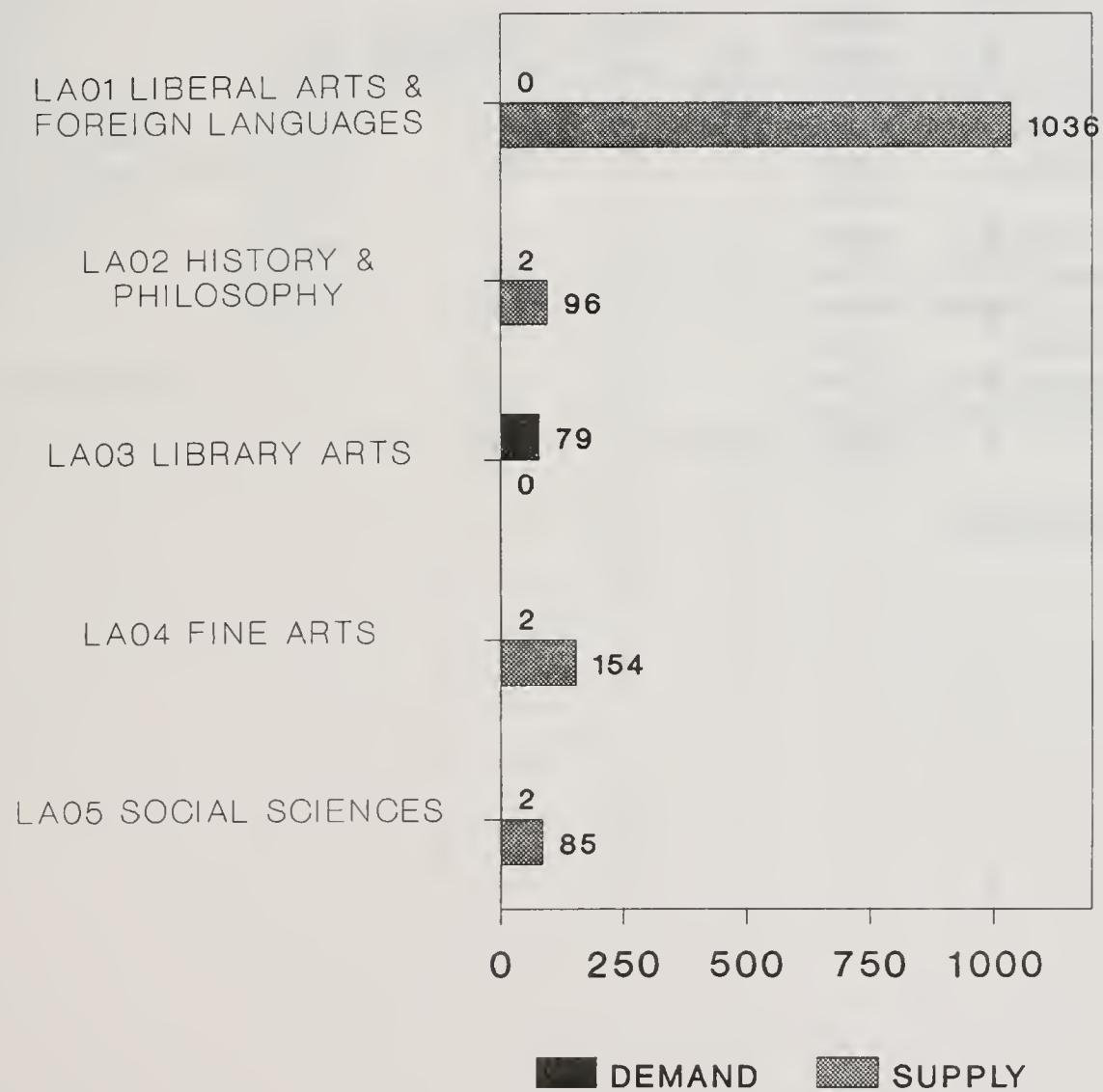
[STATEWIDE]

D.O.T. CODE	D.O.T. TITLE	MONTANA DEPARTMENT OF LABOR AND INDUSTRY			J.S. APPS	J.S. OPEN	AVG. HRWAGE
		APPREN	J.S. APPS	J.S. OPEN			
045.107-022	PSYCHOLOGIST, CLINICAL	0	0	0	12.81		
070.101-022	GENERAL PRACTITIONER	0	5	2	N.A.		
071.101-010	OSTEOPATHIC PHYSICIAN	0	1	0	N.A.		

LIBERAL ARTS/LANGUAGES CLUSTERS

DEMAND VS. SUPPLY

ESTIMATED ANNUAL OPENINGS VS. TRAINING COMPLETERS



NO DEMAND REPORT

SUPPLY REPORT

[STATEWIDE]		CIP	PUBLIC	VOC	HIGHER	JTPA	JOB	PRIV.	VOC	SCHOOL YEAR 1988-89
- PROGRAM -	TITLE	CODE	SECOND	TECH	EDUC		CORPS	SCHOOL	REHAB	*****
FOREIGN LANGUAGES, MU	16.0101				14					14
RUSSIAN	16.0402				3					3
GERMAN	16.0501				7					7
FRENCH	16.0901				13					13
SPANISH	16.0905				17					17
COMPREHENSIVE CONSUM	20.0101	474								474
VOCATIONAL HOME ECON	20.9999		57							57
ENGLISH, GENERAL	23.0101				100					100
CLASSICS	23.0201				1					1
LITERATURE, ENGLISH	23.0801				14					14
SPEECH, DEBATE, & FORE	23.1001				65					65
LIBERAL ARTS & SCIENCE	24.0101				200					200
GENERAL STUDIES	24.0102				13					13
LIBERAL/GENERAL STUDIE	24.0199				9					9
MULTI/INTERDISCIPLINARY	30.9999				49					49
***TOTALS		531			505					1036

NO ANALYSIS REPORT

CLUSTER TITLE: HISTORY & PHILOSOPHY

CLUSTER CODE LA02

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
CURATORS,ARCHIVISTS, MUSEUM TECH	31511	16	23	1	1	2
	***TOTALS	16	23	1	1	2

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
AMERICAN STUDIES	05.0102			2					2
CANADIAN STUDIES	05.0115							1	1
AMERICAN INDIAN STUDIE	05.0202			4					4
PHILOSOPHY	38.0101			8					8
ANTHROPOLOGY	45.0201			10					10
HISTORY	45.0801			71					71
	***TOTALS			95				1	96

NO ANALYSIS REPORT

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
LIBRARIANS, PROFESSIONAL	31502	607	700	10	36	46
TECHNICAL ASSISTANTS, LIBRARY	31505	254	292	4	15	19
AUDIO-VISUAL SPECIALISTS	31508	31	37	1	2	3
LIBRARY ASSISTANTS & BOOKMOBILE	53902	367	415	5	6	11
***TOTALS		1259	1444	20	59	79

NO SUPPLY REPORT

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
100.127-014 LIBRARIAN		0	19	7	N.A.
100.167-026 LIBRARIAN, SPECIAL LIBRARY		0	0	0	6.74

DEMAND REPORT

[STATEWIDE]	MONTANA DEPARTMENT OF LABOR AND INDUSTRY					
- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	GROWTH	EST. ANNUAL REPLAC	1986-1995 OPEN
MUSICIANS, INSTRUMENTAL	34051	54	62	1	1	2
PROD., DIRECT., ACTORS, ENTERTAINER	34056	6	5	0	0	0
***TOTALS		60	67	1	1	2

SUPPLY REPORT

[STATEWIDE]	SCHOOL YEAR 1988-89								
- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
CRAFTS, GENERAL	50.0201			9					9
DANCE	50.0301			1					1
DRAMATIC ARTS	50.0501			77					77
FINE ARTS, GENERAL	50.0701			35					35
DRAWING	50.0705			21					21
MUSIC, GENERAL	50.0901			10					10
MUSIC PERFORMANCE	50.0903							1	1
***TOTALS				153				1	154

NO ANALYSIS REPORT

DEMAND REPORT

[STATEWIDE]

- OCCUPATION - TITLE	OES CODE	MONTANA DEPARTMENT OF LABOR AND INDUSTRY			EST. ANNUAL 1986-1995		
		1986 EMPLOY	1995 EMPLOY	GROWTH	REPLAC	OPEN	
ALL OTHER SOCIAL SCIENTISTS	27199	111	116	1	1	1	2
***TOTALS		111	116	1	1	1	2

SUPPLY REPORT

[STATEWIDE]

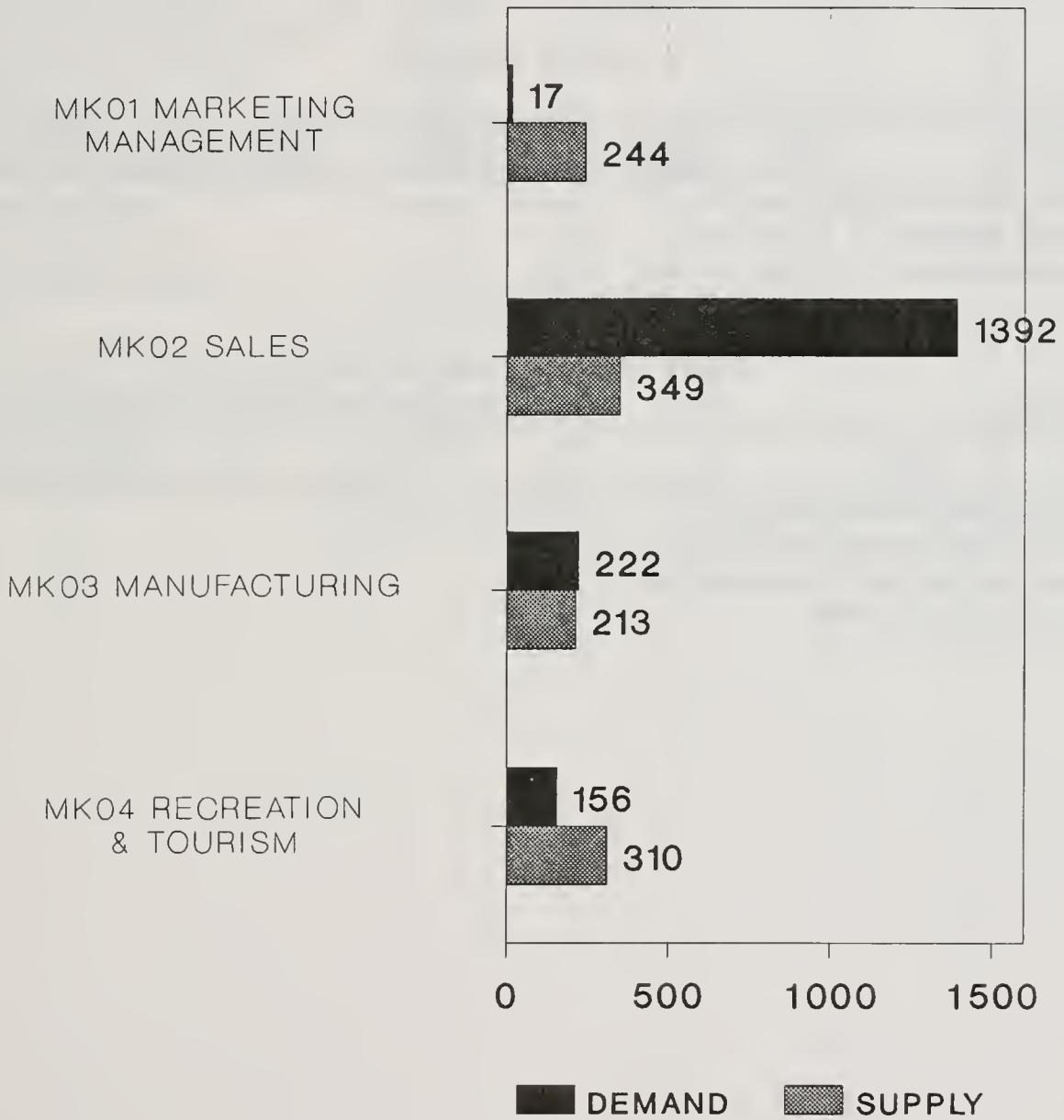
- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	SCHOOL YEAR 1988-89		
							PRIV. SCHOOL	VOC REHAB	TOTAL *****
SOCIAL SCIENCES, GENER	45.0101			4					4
ECONOMICS	45.0601			23					23
SOCIOLOGY	45.1101			57					57
SOCIAL SCIENCES, OTHER	45.9999			1					1
***TOTALS				85					85

NO ANALYSIS REPORT

MARKETING CLUSTERS

DEMAND VS. SUPPLY

ESTIMATED ANNUAL OPENINGS VS. TRAINING COMPLETERS



DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	GROWTH	EST. ANNUAL REPLAC	1986-1995 OPEN
PURCHASING MANAGERS	13008	714	807	10	4	14
ECONOMISTS, MARKET ANALYSTS	27102	83	92	1	2	3
***TOTALS		797	899	11	6	17

SUPPLY REPORT

[STATEWIDE] SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
SMALL BUSINESS MANAGE	06.1801			13					13
MARKETING, GENERAL	08.0708		2						2
GENERAL MARKETING, OT	08.0799	212	17						229
***TOTALS		212	19	13					244

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
012.167-050	PRODUCTION PLANNER	0	0	0	11.32
050.067-014	MARKET-RESEARCH ANALYST 1	0	0	0	15.22
183.117-014	PRODUCTION SUPERINTENDENT	0	0	0	15.49
185.167-038	MANAGER, PARTS	0	0	0	9.42

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	REPLAC	OPEN
WHOLESALE, RETAIL BUYERS,EX.FARM	21302	642	692	6	21	27
FIRST LINE SUPERVISORS, SALES	41002	2037	2328	32	83	115
INSURANCE SALES WORKERS	43002	710	910	22	26	48
SALES AGENTS, BUSINESS SERVICES	43017	205	230	3	8	11
ALL OTHER SERVICE SALES OCC.	43099	107	140	4	5	9
SALES ENGINEERS	49002	12	14	0	1	1
SALES REPS,SCIENTIF.PROD.EXC.RET	49005	398	435	4	14	18
SALES REPS.EXC.SCIENTIF & RETAIL	49008	1901	2078	20	68	88
SALESPERSONS, RETAIL	49011	11085	12064	109	495	604
SALESPERSONS, PARTS	49014	1305	1360	6	28	34
COUNTER & RENTAL CLERKS	49017	306	375	8	11	19
CASHIERS	49023	6397	7807	157	167	324
VENDORS,SOLICITORS,DOOR-TO-DOOR	49026	184	224	4	7	11
DEMONSTRATORS, PROMOTERS, MODELS	49032	31	40	1	1	2
ALL OTHER SALES & RELATED OCC.	49999	450	503	6	45	51
ORDER FILLERS, SALES	58026	388	367	-2	10	8
DRIVER/SALES WORKERS	97117	838	888	6	16	22
***TOTALS		26996	30455	386	1006	1392

S U P P L Y R E P O R T

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
FASHION MERCHANDISING	08.0102		6						6
FASHION MODELING	08.0103						60		60
BUSINESS & PERSONAL S	08.0201						12		12
MARKETING OF BUSINESS	08.0203				1				1
SUPERMARKET MARKETIN	08.0604				1			2	3
AUCTIONEERING	08.0701						82		82
RETAILING	08.0705		3		18	5		6	32
SALES	08.0706		3		24			7	34
WHOLESALING	08.0707				4				4
BUILDING MATERIALS MA	08.0803				1			1	1
HARDWARE MARKETING	08.0806				1				1
OFFICE PRODUCTS & EQU	08.0807				2				2
RECREATIONAL PRODUCTS	08.0904				6			2	8
WAITER/WAITRESS & RELA	08.0905							2	4
INSURANCE MARKETING	08.1001				1		74		75
AUTOMOTIVE VEHICLES &	08.1203				4			3	7
PETROLEUM WHOLESALIN	08.1204				1				1
SERVICE STATION RETAILI	08.1206				7	5		1	13
HOME DECORATING	20.0505				2			2	4
HOME FURNISHINGS AIDE	20.0506				1			1	2
***TOTALS		12			74	10	228	27	353

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
162.157-018	BUYER	0	0	0	9.51
162.157-038	PURCHASING AGENT	0	84	15	9.89
162.167-010	BUYER, GRAIN	0	0	0	7.29
163.167-018	MANAGER, SALES	0	93	4	13.46
185.167-034	MANAGER, MERCHANDISE	0	0	0	9.82
185.167-046	MANAGER, RETAIL STORE	0	958	59	9.43
185.167-058	SERVICE MANAGER	0	0	0	10.30
187.167-126	MANAGER, LIQUOR ESTABLISHMENT	0	0	0	6.51
189.167-018	MANAGEMENT TRAINEE	0	0	0	5.26
211.362-010	CASHIER 1	0	333	119	4.28
211.462-014	CASHIER-CHECKER	0	0	0	4.75
249.367-054	ORDER CLERK	0	0	0	6.60
250.257-010	SALES AGENT, INSURANCE	0	109	12	7.45
250.357-018	SALES AGENT, REAL ESTATE	0	59	4	N.A.
251.357-014	SALES AGENT, FINANCIAL-REPORT SERVICE	0	1	0	N.A.
254.357-014	SALES REPRESENTATIVE, ADVERTISING	0	45	43	N.A.
261.357-050	SALESPERSON, MEN'S AND BOYS' CLOTHING	0	28	21	N.A.
261.357-054	SALESPERSON, MEN'S FURNISHINGS	0	6	1	N.A.
261.357-062	SALESPERSON, SHOES	0	39	42	N.A.
261.357-066	SALESPERSON, WOMEN'S APPAREL AND ACCES	0	110	91	N.A.
273.353-010	SALESPERSON, AUTOMOBILES	0	112	34	N.A.
273.357-022	SALES REPRESENTATIVE, MOTOR VEHICLES A	0	15	5	N.A.
274.357-022	SALES REPRESENTATIVE, CONSTRUCTION MAC	0	3	1	N.A.
275.257-010	SALES REPRESENTATIVE, COMPUTERS AND ED	0	0	0	8.59
275.357-034	SALES REPRESENTATIVE, OFFICE MACHINES	0	11	23	N.A.
277.357-034	SALESPERSON, BOOKS	0	20	6	N.A.
279.357-014	SALES REPRESENTATIVE, GENERAL MERCHANT	0	0	0	8.63
279.357-050	SALESPERSON, GENERAL HARDWARE	0	72	65	6.00
279.357-054	SALESPERSON, GENERAL MERCHANDISE	0	223	158	5.14
279.357-062	SALESPERSON, PARTS	0	115	70	7.10
290.477-014	SALES CLERK	0	1856	863	4.67
290.477-018	SALES CLERK, FOOD	0	162	188	4.32
292.353-010	DRIVER, SALES ROUTE	0	277	226	7.09
292.483-010	COIN COLLECTOR	0	10	3	N.A.
299.137-010	MANAGER, DEPARTMENT	0	63	9	3.81
299.367-014	STOCK CLERK, SELF-SERVICE STORE	0	0	0	5.74
299.477-010	DELIVERER, MERCHANDISE	0	0	0	4.66
915.467-010	AUTOMOBILE-SERVICE-STATION ATTENDANT	0	269	118	4.86
920.687-014	BAGGER	0	273	349	3.63

DEMAND REPORT

[STATEWIDE]	MONTANA DEPARTMENT OF LABOR AND INDUSTRY					
- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
FIRST LINE SUPERV.: PRODUCTION	81008	658	653	-1	18	17
OTHER INSPECTORS,TESTER,GRADER	83004	373	412	4	14	18
MECHANICAL CONTROL INSTAL.& REPR	85928	66	73	1	0	1
ALL OTHER MECHANICS, INSTALLERS	85999	665	751	10	32	42
DETAIL DESIGN DECORATORS & PAINT	89911	18	20	0	0	0
MEDICAL APPLIANCE MAKERS	89923	6	6	0	0	0
PAPER GOODS MACHINE SETTER/OPER.	92914	46	63	2	2	4
COOKING MACHINE OPER., FOOD/TOB.	92917	5	5	0	0	0
ROASTING,DRYING OPER., FOOD/TOB.	92921	10	9	0	0	0
FURNACE, KILN, OVEN,KETTLE OPER.	92923	135	108	-3	2	-1
DAIRY PROCESSING EQUIP. OPERATOR	92932	75	77	0	1	1
CUTTING & SLICING MACHINE OPER.	92944	44	50	1	1	2
COATING, PAINTING SETTER/OPER.	92951	11	8	0	0	0
COATING, PAINTING MACH. OPER.	92953	47	51	0	1	1
CEMENTING & GLUING MACHINE OPER.	92956	122	131	1	4	5
CLEANING, PICKLING EQUIP. OPER.	92958	20	20	0	0	0
SEPARATING, FILTERING MACH. OP.	92962	30	32	0	1	1
CRUSHING & MIXING MACHINE OPER.	92965	457	513	6	18	24
EXTRUDING, FORMING SETTER/OPER.	92968	35	34	0	1	1
EXTRUDING & FORMING OPERATOR	92971	29	34	1	1	2
PACKAGING & FILLING MACHINE OPER	92974	300	306	1	11	12
ALL OTHER MACHINE SETTERS/OPER.	92997	51	57	1	1	2
ALL OTHER MACHINE OPERATORS	92998	390	414	3	6	9
MOLDERS & CASTERS, HAND	93944	3	3	0	0	0
PAINTING & COATING, HAND	93947	11	12	0	0	0
GRINDING & POLISHING, HAND	93953	108	107	0	4	4
ALL OTHER ASSEMBLERS, FABRICATOR	93956	487	519	4	26	30
ALL OTHER HAND WORKERS	93999	167	151	-2	1	-1
MACHINE FEEDERS & OFFBEARERS	98502	1203	1280	9	23	32
HAND PACKERS & PACKAGERS	98902	507	581	8	8	16
***TOTALS		6079	6480	46	176	222

S U P P L Y R E P O R T

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
FOOD PROCESSING TECH	15.0602				2				2
CUSTOM DRAPERY & WIND	20.0502				1				1
MANUFACTURING/MATERIA	21.0107	174			9		4		187
MUSICAL INSTRUMENT RE	47.0404				1				1
SPORTING-GOODS EQUIPM	47.0407				1			1	2
PRECISION WORK, ASSORT	48.0699				5	6	1		12
FURNITURE MAKING	48.0702				1		1		2
MILLWORK & CABINET MAK	48.0703				5		1		6
***TOTALS		174			25		6	8	213

ANALYSIS INFORMATION

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
012.167-042	MANUFACTURING ENGINEER	0	5	0	N.A.
012.261-014	QUALITY-CONTROL TECHNICIAN	0	0	0	11.51
222.367-050	PRESCRIPTION CLERK, LENS-AND-FRAMES	0	1	1	N.A.
534.662-010	BACK TENDER, PAPER MACHINE	0	4	0	N.A.
556.685-022	COMPRESSION-MOLDING-MACHINE TENDER	0	1	0	N.A.
559.567-010	LABORER, GENERAL	0	2	0	N.A.
589.686-026	LABORER, GENERAL	0	1	0	N.A.
638.261-010	AUTOMATED EQUIPMENT ENGINEER-TECHNICAL	0	2	0	N.A.
641.685-022	CARTON-FORMING-MACHINE OPERATOR	0	1	0	N.A.
649.685-046	FOLDING-MACHINE OPERATOR	0	1	0	N.A.
660.280-010	CABINETMAKER	0	89	40	7.28
683.682-038	WEAVER	0	1	0	N.A.
699.682-022	DIE CUTTER	0	1	2	N.A.
706.687-010	ASSEMBLER, PRODUCTION	0	0	0	8.08
709.684-014	ASSEMBLER, METAL FURNITURE	0	0	1	N.A.
710.681-010	ASSEMBLER	0	2	0	N.A.
712.687-010	ASSEMBLER, HOSPITAL SUPPLIES	0	1	0	N.A.
731.687-034	TOY ASSEMBLER	0	0	1	N.A.
732.684-066	FISHING-ROD ASSEMBLER	0	1	0	N.A.
737.587-014	FIREWORKS ASSEMBLER	0	2	12	N.A.
739.687-030	ASSEMBLER, SMALL PRODUCTS	0	49	42	N.A.
741.684-026	PAINTER, SPRAY 1	0	14	3	8.45
741.687-018	PAINTER, SPRAY 2	0	3	2	N.A.
750.685-014	TIRE RECAPPER	0	0	0	7.19
754.684-030	FINISHER, HAND	0	1	0	N.A.
754.687-010	LABORER, GENERAL	0	2	0	N.A.
763.684-014	CABINET ASSEMBLER	0	5	0	N.A.
772.281-010	GLASS BLOWER, LABORATORY APPARATUS	0	1	0	N.A.
789.687-070	GARMENT INSPECTOR	0	1	0	N.A.
806.381-058	TRAILER ASSEMBLER	0	1	0	N.A.
806.684-010	ASSEMBLER, AUTOMOBILE	0	3	0	N.A.
809.684-010	ASSEMBLER, PRODUCTION LINE	0	1	0	N.A.
819.684-010	WELDER, PRODUCTION LINE	0	4	0	N.A.
827.684-010	APPLIANCE ASSEMBLER, LINE	0	3	0	N.A.
920.587-018	PACKAGER, HAND	0	119	156	7.26
920.685-078	PACKAGER, MACHINE	0	16	20	N.A.
920.687-126	MARKER 2	0	1	0	N.A.

DEMAND REPORT

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- OCCUPATION - TITLE	OES CODE	MONTANA DEPARTMENT OF LABOR AND INDUSTRY		EST. ANNUAL 1986-1995 GROWTH	REPLAC	OPEN
		1986 EMPLOY	1995 EMPLOY			
RECREATION WORKERS	27311	264	286	2	3	5
ATHLETE, COACH, UMPIRE & RELATED	34058	104	123	2	1	3
TRAVEL AGENTS	43021	283	374	10	13	23
RESERVATION & TRANS.TICKET AGENT	53805	341	460	13	9	22
HOTEL DESK CLERKS	53808	786	829	5	60	65
AMUSEMENT & RECREATION ATTENDANT	68014	508	672	18	8	26
GUIDES	68017	31	37	1	2	3
USHERS, LOBBY ATT., TICKET TAKER	68021	93	89	0	5	5
BAGGAGE PORTERS & BELLHOPS	68023	93	91	0	4	4
***TOTALS		2503	2961	51	105	156

SUPPLY REPORT

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- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	SCHOOL YEAR 1988-89		
							PRIV. SCHOOL	VOC REHAB	TOTAL *****
MARKETING OF HOTEL/MO	08.0902					3		1	4
MARKETING OF RECREATI	08.0903					7		5	12
TOURISM	08.1104					3			3
TRAVEL SERVICES MARKET	08.1105					4		12	16
CARD DEALING	12.0203					5		1	6
OUTDOOR RECREATION	31.0201					1		242	243
PARKS & RECREATION MA	31.0301				26				26
***TOTALS					26	23		254	7
									310

ANALYSIS INFORMATION

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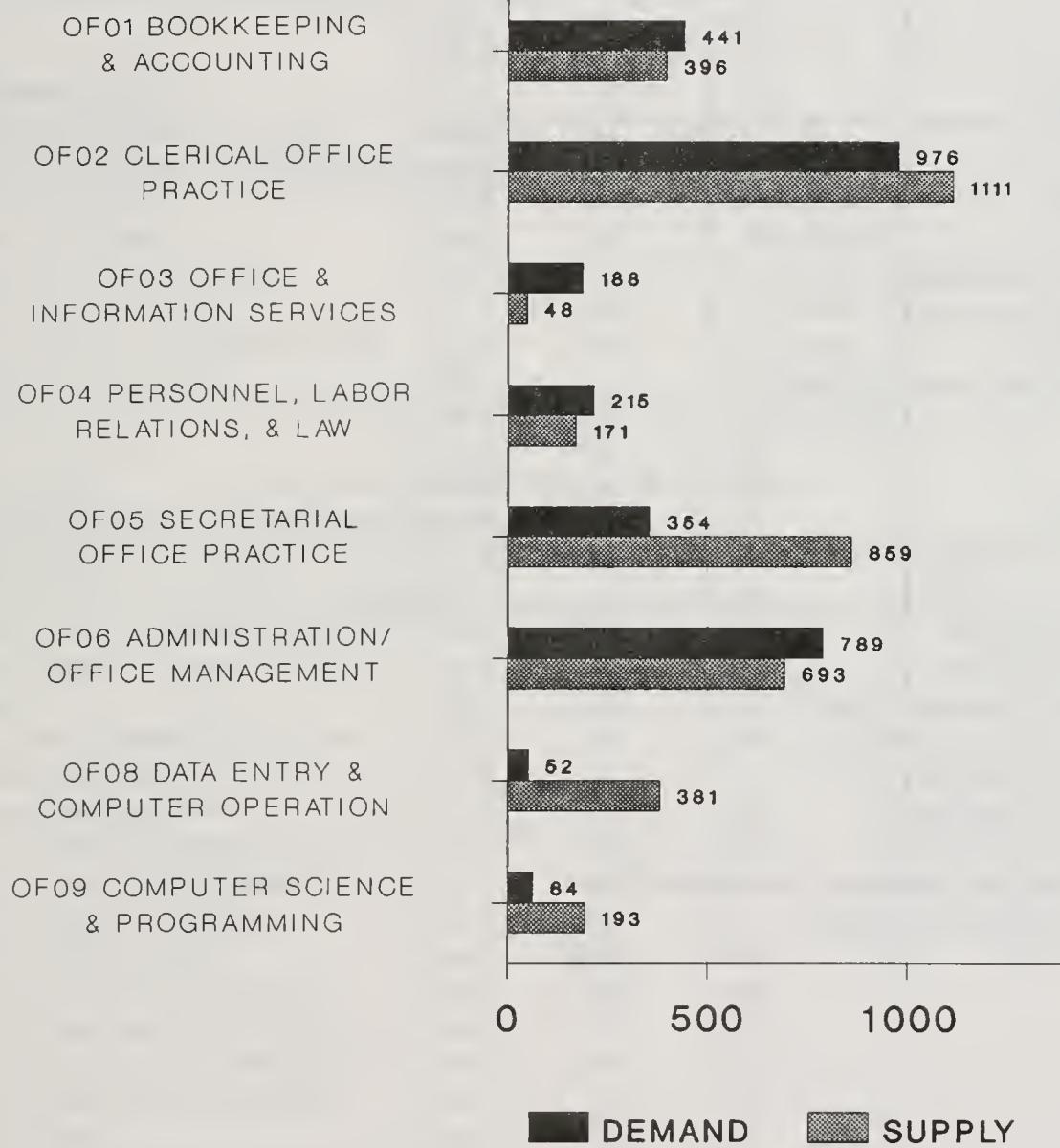
MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
159.124-010	COUNSELOR, CAMP	0	28	30	N.A.
159.147-010	ANNOUNCER	0	0	0	5.64
187.117-038	MANAGER, HOTEL OR MOTEL	0	0	0	4.29
187.137-010	RECREATION SUPERVISOR	0	0	0	5.85
187.167-114	MANAGER, GOLF CLUB	0	0	0	6.62
187.167-154	MANAGER, THEATER	0	10	2	N.A.
238.362-010	HOTEL CLERK	0	322	238	4.27
238.367-026	TICKET AGENT	0	25	18	N.A.
252.157-010	TRAVEL AGENT	0	0	0	5.55
324.677-010	BELLHOP	0	0	0	3.29
329.467-010	ATTENDANT, LODGING FACILITIES	0	0	0	3.50
340.367-010	DESK CLERK, BOWLING FLOOR	0	0	0	4.58
341.367-010	RECREATION-FACILITY ATTENDANT	0	0	0	3.86
344.667-010	TICKET TAKER	0	0	0	3.78
732.364-014	SKI-BINDING FITTER-AND-REPAIRER	0	0	0	4.55
732.684-122	SPORTS-EQUIPMENT REPAIRER	0	0	0	5.25

OFFICE CLUSTERS

DEMAND VS. SUPPLY

ESTIMATED ANNUAL OPENINGS VS. TRAINING COMPLETERS



CLUSTER TITLE: BOOKKEEPING & ACCOUNTING

CLUSTER CODE OF01

DEMAND REPORT

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
ACCOUNTANTS & AUDITORS	21114	1998	2505	56	73	129
BOOKKEEPING & ACCOUNTING CLERKS	55338	7029	7522	55	257	312
***TOTALS		9027	10027	111	330	441

SUPPLY REPORT

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SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
ACCOUNTING	06.0201			174	1				175
TAXATION	06.1901						123		123
ACCOUNTING, BOOKKEEPING	07.0101		66	4					70
ACCOUNTING & COMPUTIN	07.0102				4			4	8
BOOKKEEPING	07.0103				14	2		3	19
ACCOUNTING, BOOKKEEPING	07.0199			1					1
***TOTALS		66	179	19	2	123	7	396	

ANALYSIS INFORMATION

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
160.162-014	AUDITOR	0	19	11	11.76
160.167-010	ACCOUNTANT	0	208	49	11.18
160.167-018	ACCOUNTANT, COST	0	0	0	11.03
160.167-034	AUDITOR, INTERNAL	0	0	0	10.88
210.382-010	AUDIT CLERK	0	21	16	N.A.
210.382-014	BOOKKEEPER 1	0	774	249	6.62
210.382-018	BOOKKEEPER 2	0	486	172	N.A.
210.382-022	BOOKKEEPING-MACHINE OPERATOR 1	0	3	1	4.45
216.482-010	ACCOUNTING CLERK	0	207	99	6.38

DEMAND REPORT

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
MEDICAL RECORDS TECHNIC. & TECHNOL.	32911	214	295	9	4	13
STOCK CLERKS, SALES FLOOR	49021	2734	2982	28	110	138
FIRST LINE SUPERVISORS, CLERICAL	51002	2300	2559	29	59	88
TELLERS	53102	1540	1625	9	14	23
NEW ACCOUNTS CLERKS	53105	295	332	4	10	14
TRANSIT CLERKS	53108	80	86	1	1	2
LOAN & CREDIT CLERKS	53121	506	588	9	23	32
ADJUSTMENT CLERKS	53123	274	302	3	5	8
STATEMENT CLERKS	53126	166	184	2	6	8
BROKERAGE CLERKS	53128	29	32	0	1	1
INSURANCE EXAMINING CLERKS	53308	9	10	0	0	0
INSURANCE CLAIMS CLERKS	53311	150	174	3	3	6
INSURANCE POLICY PROCESS. CLERKS	53314	357	448	10	17	27
INVESTIGATORS, CLERICAL	53505	12	16	0	0	0
COURT CLERKS	53702	252	292	4	11	15
MUNICIPAL CLERKS	53705	153	168	2	7	9
LICENSE CLERKS	53708	80	88	1	3	4
REAL ESTATE CLERKS	53914	120	141	2	5	7
STENOGRAPHERS	55302	287	189	-11	4	-7
TYPISTS	55307	1254	1226	-3	43	40
PERSONNEL CLERKS, EXCEPT PAYROLL	55314	264	286	2	9	11
CORRESPONDENCE CLERKS	55317	95	111	2	4	6
FILE CLERKS	55321	402	415	1	11	12
ORDER CLERKS: MATERIALS, SERVICE	55323	308	342	4	5	9
PROCUREMENT CLERKS	55326	67	75	1	2	3
STATISTICAL CLERKS	55328	116	102	-2	2	0
INTERVIEWING CLERKS,EX.PERSONNEL	55332	585	752	19	22	41
PAYROLL & TIMEKEEPING CLERKS	55341	493	476	-2	7	5
BILLING, COST & RATE CLERKS	55344	1016	1141	14	30	44
GENERAL OFFICE CLERKS	55347	6336	6671	37	224	261
BILL., POST, CALCULATING MACH.OP	56002	362	405	5	5	10
DUPLICATING MACHINE OPERATORS	56005	64	64	0	1	1
ALL OTHER OFFICE MACH. OPERATORS	56099	94	100	1	1	2
WEIGHERS, MEASURERS, CHECKERS	58017	35	36	0	2	2
MARKING CLERKS	58021	118	126	1	3	4
STOCK CLERKS: STOCKROOM OR WAREH.	58023	1643	1613	-3	42	39
TRAFFIC, SHIPPING, & REC. CLERKS	58028	1404	1497	10	17	27
ALL OTHER CLERICAL & ADM.SUPPORT	59999	1261	1407	16	55	71

***TOTALS 25475 27356 208 768 976

S U P P L Y R E P O R T

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SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
MACHINE BILLING, BOOK	07.0104				2			1	3
TELLER	07.0205				1				1
STENOGRAPHIC	07.0607		2	1				1	4
TYPING, GENERAL OFFIC	07.0701	944			3			1	948
CLERK-TYPIST	07.0702		7	1	5	39			52
GENERAL OFFICE CLERK	07.0705		11	3	43	8		9	74
SHIPPING, RECEIVING,	07.0708				6	2		3	11
TRAFFIC RATE & TRANSP	07.0709				2				2
TYPING, GENERAL OFFIC	07.0799		4			3			7
BUSINESS (ADMINISTRAT	07.9999							1	1
MEDICAL RECORDS TECHN	17.0506				6			1	7
HEALTH UNIT COORDINAT	17.0513				1				1
***TOTALS	944	24	5	69	52			17	1111

ANALYSIS INFORMATION

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
202.362-014	STENOGRAPHER	0	12	4	6.71
203.362-010	CLERK-TYPIST	0	272	154	5.87
203.582-058	TRANSCRIBING-MACHINE OPERATOR	0	0	0	6.11
203.582-066	TYPIST	0	40	35	N.A.
205.362-014	EMPLOYMENT CLERK	0	11	17	N.A.
205.362-026	NEW-ACCOUNTS CLERK	0	0	0	6.87
205.367-018	CLAIMS CLERK 2	0	0	0	7.53
206.362-010	FILE CLERK 1	0	75	48	4.91
206.367-014	FILE CLERK 2	0	10	2	N.A.
209.367-046	TITLE SEARCHER	0	0	0	5.05
209.387-010	CODING CLERK	0	1	3	5.03
209.562-010	CLERK, GENERAL	0	1515	772	5.93
209.687-010	CHECKER 2	0	30	25	N.A.
209.687-022	SORTER	0	2	3	N.A.
214.362-022	INSURANCE CLERK	0	25	16	6.71
214.382-014	BILLING TYPIST	0	15	1	7.10
214.482-010	BILLING-MACHINE OPERATOR	0	0	0	5.71
215.482-010	PAYROLL CLERK	0	48	29	7.44
216.362-014	COLLECTION CLERK	0	0	0	6.69
216.382-034	COST CLERK	0	4	1	N.A.
216.382-062	STATISTICAL CLERK	0	0	0	9.91
216.482-022	CALCULATING-MACHINE OPERATOR	0	2	0	N.A.
217.382-010	PROOF-MACHINE OPERATOR	0	23	30	5.36
219.362-010	ADMINISTRATIVE CLERK	0	1098	643	5.23
219.367-038	UNDERWRITING CLERK	0	0	0	6.02
221.382-018	PRODUCTION CLERK	0	0	0	7.34
222.387-026	INVENTORY CLERK	0	0	0	6.68
222.387-050	SHIPPING AND RECEIVING CLERK	0	0	0	6.19
239.567-010	OFFICE HELPER	0	0	0	5.96
241.267-030	INVESTIGATOR	0	0	0	4.97
245.362-010	MEDICAL-RECORD CLERK	0	0	0	5.93
245.362-014	WARD CLERK	0	28	16	N.A.
247.367-010	CLASSIFIED-AD CLERK 1	0	5	1	N.A.
249.382-010	MORTGAGE CLERK	0	0	0	6.66

DEMAND REPORT

[STATEWIDE]

- OCCUPATION - TITLE	OES CODE	MONTANA DEPARTMENT OF LABOR AND INDUSTRY					
		1986 EMPLOY	1995 EMPLOY	GROWTH	EST. ANNUAL 1986-1995	REPLAC	OPEN
RADIO OPERATORS	39008	11	12	0	0	0	0
TRAVEL CLERKS	53802	40	41	0	1	1	
RECEPTIONISTS, INFORMATION CLERKS	55305	2059	2289	26	49	75	
MAIL MACHINE OPERATORS	56008	68	74	1	3	4	
SWITCHBOARD OPERATORS	57102	590	704	13	12	25	
DIRECTORY ASSISTANCE OPERATORS	57105	25	23	0	0	0	
CENTRAL OFFICE OPERATORS	57108	218	191	-3	4	1	
TELEGRAPH & TELETYPE OPERATORS	57111	5	5	0	0	0	
ALL OTHER COMMUNICATION OPERATOR	57199	7	8	0	0	0	
MAIL CLERKS, EXC. MAIL MACHINE	57302	171	169	0	3	3	
POSTAL MAIL CARRIERS	57305	626	675	5	47	52	
POSTAL SERVICE CLERKS	57308	309	301	-1	12	11	
MESSENGERS	57311	67	68	0	1	1	
DISPATCHERS: EXC. POL., FIRE, AMB.	58005	390	418	3	6	9	
PRODUCTION, EXPEDITING CLERKS	58008	170	177	1	5	6	
***TOTALS		4756	5155	45	143	188	

SUPPLY REPORT

[STATEWIDE]

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	SCHOOL YEAR 1988-89		
							PRIV. SCHOOL	VOC REHAB	TOTAL *****
RECEPTIONIST & COMMUN 07.0707				4		38		6	48
***TOTALS				4		38		6	48

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
205.362-018	HOSPITAL-ADMITTING CLERK	0	20	22	N.A.
205.367-054	SURVEY WORKER	0	37	102	5.28
209.587-026	MAIL CLERK	0	68	75	5.45
209.687-014	MAIL HANDLER	0	16	14	N.A.
235.462-010	CENTRAL-OFFICE OPERATOR	0	27	5	N.A.
235.662-022	TELEPHONE OPERATOR	0	118	143	8.12
235.662-026	TELEPHONE-ANSWERING-SERVICE OPERATOR	0	3	9	N.A.
237.367-010	APPOINTMENT CLERK	0	4	2	N.A.
237.367-022	INFORMATION CLERK	0	6	0	N.A.
237.367-038	RECEPTIONIST	0	956	538	5.28
239.367-010	CUSTOMER-SERVICE REPRESENTATIVE	0	0	0	6.08
241.357-010	COLLECTION CLERK	0	41	18	N.A.
249.167-014	DISPATCHER, MOTOR VEHICLE	0	39	8	7.80
299.357-014	TELEPHONE SOLICITOR	0	163	249	5.71
299.367-010	CUSTOMER-SERVICE CLERK	0	0	0	7.07

CLUSTER TITLE: PERSONNEL, LABOR RELATIONS, & LAW

CLUSTER CODE OF04

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
PERSONNEL, TRAINING, LABOR REL. MGR	13005	205	227	2	5	7
CLAIMS TAKERS, UNEMPLOY. BENEFITS	21502	102	96	-1	2	1
EMPLOYMENT INTERVIEWERS	21508	200	212	1	4	5
PERSONNEL, TRAIN., LABOR REL. SPEC	21511	547	523	-3	11	8
COMPLIANCE & ENFORCE. INSPECTORS	21911	525	560	4	25	29
JUDGES & MAGISTRATES	28102	215	233	2	37	39
ADJUDICATORS & HEARING OFFICERS	28105	24	25	0	4	4
LAWYERS	28108	988	1313	36	40	76
LAW CLERKS	28302	89	95	1	4	5
PARALEGAL PERSONNEL	28305	161	263	11	10	21
TITLE EXAMINERS & ABSTRACTORS	28311	140	159	2	7	9
ALL OTHER LEGAL ASSISTANTS	28399	183	197	2	9	11
***TOTALS		3379	3903	57	158	215

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
HUMAN RESOURCES DEVE	06.0601			22					22
PERSONNEL ASSISTING	07.0503				4			3	7
LAW	22.0101				2			4	6
PRE-LAW	22.0102			6					6
LEGAL ASSISTING	22.0103			36	2			4	42
INTERNATIONAL RELATION	45.0901			1					1
POLITICAL SCIENCE & GOV	45.1001			87					87
***TOTALS				152	8			11	171

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
110.107-010	LAWYER	0	52	19	12.20
119.267-026	PARALEGAL ASSISTANT	0	0	0	8.69
119.287-010	TITLE EXAMINER	0	0	0	6.99
166.267-018	JOB ANALYST	0	5	2	N.A.

CLUSTER TITLE: SECRETARIAL OFFICE PRACTICE

CLUSTER CODE OF05

DEMAND REPORT

[STATEWIDE]	MONTANA DEPARTMENT OF LABOR AND INDUSTRY					
- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
LEGAL SECRETARIES	55102	669	927	29	20	49
MEDICAL SECRETARIES	55105	466	590	14	13	27
GENERAL SECRETARIES	55199	6567	7470	100	178	278
***TOTALS		7702	8987	143	211	354

SUPPLY REPORT

[STATEWIDE]	SCHOOL YEAR 1988-89								
- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
SECRETARIAL & RELATED	07.0601	618		43			9		670
EXECUTIVE SECRETARIAL	07.0603		3		11			3	17
LEGAL SECRETARIAL	07.0604		51	3	7		5		66
MEDICAL SECRETARIAL	07.0605		27	3			4		34
SECRETARIAL	07.0606		3	1	30	2	15	8	59
SECRETARIAL & RELATED	07.0699		9			1			10
MEDICAL ASSISTING	17.0503				2			1	3
***TOTALS		618	93	50	50	3	33	12	859

ANALYSIS INFORMATION

[STATEWIDE]	MONTANA DEPARTMENT OF LABOR AND INDUSTRY				
D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
169.167-010 ADMINISTRATIVE ASSISTANT		0	337	121	11.56
169.167-014 ADMINISTRATIVE SECRETARY		0	0	0	9.45
201.362-010 LEGAL SECRETARY		0	210	147	7.00
201.362-014 MEDICAL SECRETARY		0	82	30	6.78
201.362-030 SECRETARY		0	1144	450	6.50

DEMAND REPORT

[STATEWIDE]		MONTANA DEPARTMENT OF LABOR AND INDUSTRY				
- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
ADMINISTRATIVE SERVICES MANAGER	13014	390	432	5	15	20
POSTMASTERS, MAIL SUPERINTENDENT	15002	365	397	4	26	30
EDUCATION ADMINISTRATORS	15005	994	1174	20	37	57
MEDICINE & HEALTH SERV. MGRS	15008	422	513	10	17	27
INDUSTRIAL PRODUCTION MANAGERS	15014	207	217	1	8	9
CONSTRUCTION MANAGERS	15017	503	613	12	21	33
MINING & RELATED MANAGERS	15021	134	144	1	5	6
COMMUNICATION,TRANSP.,UTIL.MGRS	15023	649	718	8	25	33
FOOD SERVICE & LODGING MANAGERS	15026	1211	1365	17	48	65
PUBLIC ADMIN., LEG., GEN. ADMIN.	19002	779	858	9	48	57
GENERAL MANAGERS & TOP EXEC.	19005	5745	6410	74	226	300
ALL OTHER MANAGERS & ADMINIST.	19999	960	1099	15	38	53
BUDGET ANALYSTS	21117	88	94	1	2	3
COST ESTIMATORS	21902	284	335	6	1	7
MANAGEMENT ANALYSTS	21905	95	107	1	3	4
ALL OTHER MANAGEMENT SUPPORT OCC	21999	695	816	13	4	17
ALL OTHER PROF.,PARAPROF.,TECHN.	39999	1615	1769	17	31	48
ALL OTHER FIRST LINE SUPERVISORS	81099	377	429	6	14	20
***TOTALS		15513	17490	220	569	789

S U P P L Y R E P O R T

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
BUSINESS & MANAGEMEN	06.0101			215					215
BUSINESS ADMINISTRATIO	06.0401			327					327
CONTRACT MANAGEMENT	06.0402			20					20
BUSINESS ADMINISTRATIO	06.0499			1					1
BUSINESS ECONOMICS	06.0501			5					5
HOTEL/MOTEL MANAGEME	06.0701			3					3
RECREATIONAL ENTERPRI	06.0702				1				1
RESTAURANT MANAGEME	06.0704				1				1
TRANSPORTATION MANAG	06.0705				2				2
MANAGEMENT SCIENCE, G	06.1303						1		1
MARKETING MANAGEMENT	06.1401			75					75
TRADE & INDUSTRIAL SUP	06.2001				3				3
OFFICE SUPERVISION & M	07.0401				5			3	8
ADVERTISING	09.0201				1			1	2
INDUSTRIAL TECHNOLOGY	15.0603			4	2			2	8
MEDICAL RECORDS ADMIN	18.0703			5					5
WEDDING/SPECIALTY CON	20.0308				1				1
PUBLIC AFFAIRS, GENERAL	44.0101			4					4
COMMUNITY SERVICES	44.0201				1				1
PUBLIC ADMINISTRATION	44.0401			9					9
PUBLIC AFFAIRS, OTHER	44.9999			1					1
***TOTALS				669	17			7	693

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
160.267-018	ESTIMATOR	0	30	20	5.99
161.167-010	MANAGEMENT ANALYST	0	0	0	15.31
165.067-010	PUBLIC-RELATIONS REPRESENTATIVE	0	52	14	11.43
166.167-030	MANAGER, EMPLOYMENT	0	0	0	10.75
168.167-054	MANAGER, CREDIT AND COLLECTION	0	0	0	11.37
169.167-030	MANAGER, ELECTRONIC DATA PROCESSING	0	0	0	15.50
169.167-034	MANAGER, OFFICE	0	562	67	10.45
183.167-018	GENERAL SUPERVISOR	0	0	0	14.48
184.167-094	MANAGER, TRAFFIC	0	0	0	11.10
184.167-114	MANAGER, WAREHOUSE	0	0	0	12.32
185.137-010	MANAGER, FAST FOOD SERVICES	0	0	0	7.40
185.167-014	MANAGER, AUTOMOBILE SERVICE STATION	0	40	0	8.46
186.117-014	CONTROLLER	0	0	0	17.13
186.117-038	MANAGER, FINANCIAL INSTITUTION	0	0	0	16.10
187.117-010	ADMINISTRATOR, HOSPITAL	0	0	0	20.92
187.117-018	DIRECTOR, INSTITUTION	0	0	0	10.67
187.117-026	EXECUTIVE DIRECTOR, SHELTERED WORKSHOP	0	0	0	10.64
187.117-042	MANAGER, RECREATION ESTABLISHMENT	0	0	0	7.45
187.167-058	MANAGER, BARBER OR BEAUTY SHOP	0	5	0	N.A.
187.167-082	MANAGER, CUSTOMER SERVICES	0	0	0	8.46
187.167-106	MANAGER, FOOD SERVICE	0	373	33	6.29
187.167-142	MANAGER, SERVICE DEPARTMENT	0	0	0	9.93
188.137-010	SUPERVISOR	0	46	36	N.A.
189.117-014	DIRECTOR, RESEARCH AND DEVELOPMENT	0	0	0	6.05
189.117-022	MANAGER, INDUSTRIAL ORGANIZATION	0	18	1	17.15
189.117-026	PRESIDENT	0	0	0	21.41
189.117-034	VICE PRESIDENT	0	0	0	19.88
189.167-030	PROGRAM MANAGER	0	0	0	8.18
319.137-010	FOOD-SERVICE SUPERVISOR	0	12	9	6.96
320.137-014	MANAGER, LODGING FACILITIES	0	0	0	7.26

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
TYPISTS, WORD PROCESSING EQUIP.	55311	554	655	11	20	31
COMPUTER OPERATORS, EXC. PERIPH.	56011	720	885	18	6	24
PERIPHERAL EDP EQUIP. OPERATORS	56014	110	131	2	1	3
DATA ENTRY KEYERS, EX. COMPOSING	56017	625	548	-9	2	-7
DATA ENTRY KEYERS, COMPOSING	56021	40	48	1	0	1
***TOTALS		2049	2267	23	29	52

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
BUSINESS COMPUTER & C	07.0302		37	1	2		119	7	166
BUSINESS DATA ENTRY EQ	07.0303		20		6			2	28
BUSINESS DATA PERIPHER	07.0304							1	1
WORD PROCESSING	07.0801		38	23	9		116		186
***TOTALS			95	24	17		235	10	381

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	Avg. HRWAGE
203.362-022	WORD-PROCESSING-MACHINE OPERATOR	0	0	0	6.58
203.582-026	DATA-CODER OPERATOR	0	0	0	6.01
203.582-030	KEYPUNCH OPERATOR	0	38	36	5.78
203.582-054	TERMINAL OPERATOR	0	0	0	6.12
205.137-010	ADMITTING OFFICER	0	0	0	6.12
213.362-010	COMPUTER OPERATOR	0	275	68	7.09

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
COMPUTER SYSTEMS ANALYSTS, EDP	25102	281	372	10	2	12
COMPUTER PROGRAMMERS & AIDES	25104	668	890	25	27	52
PROGRAMMERS: NUMERICAL, TOOL	25111	3	2	0	0	0
OPERATIONS & SYSTEMS ANALYSTS	25302	22	26	0	0	0
***TOTALS		974	1290	35	29	64

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
MANAGEMENT INFORMATI	06.1201			31					31
BUSINESS DATA PROCESS	07.0301		14	7					21
BUSINESS DATA PROGRAM	07.0305			7	5				12
COMPUTER & INFORMATIO	11.0101			96					96
COMPUTER PROGRAMMIN	11.0201			4					4
DATA PROCESSING	11.0301			4					4
INFORMATION SCIENCES	11.0401			7					7
MICROCOMPUTER APPLICA	11.0601			9	3			1	13
COMPUTER TECHNOLOGY	15.0301			4					4
MATHEMATICS & COMPUT	30.0801							1	1
***TOTALS		21	167	3				2	193

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
012.167-066	SYSTEMS ANALYST, ELECTRONIC DATA PROCE	0	60	32	12.69
020.062-010	COMPUTER-APPLICATIONS ENGINEER	0	0	0	18.95
020.162-014	PROGRAMMER, BUSINESS	0	41	20	N.A.
020.187-010	PROGRAMMER, INFORMATION SYSTEM	0	0	0	11.07
020.187-014	PROGRAMMER, PROCESS CONTROL	0	0	0	10.70
219.367-026	PROGRAMMER, DETAIL	0	2	0	N.A.

PROTECTIVE SERVICE CLUSTERS

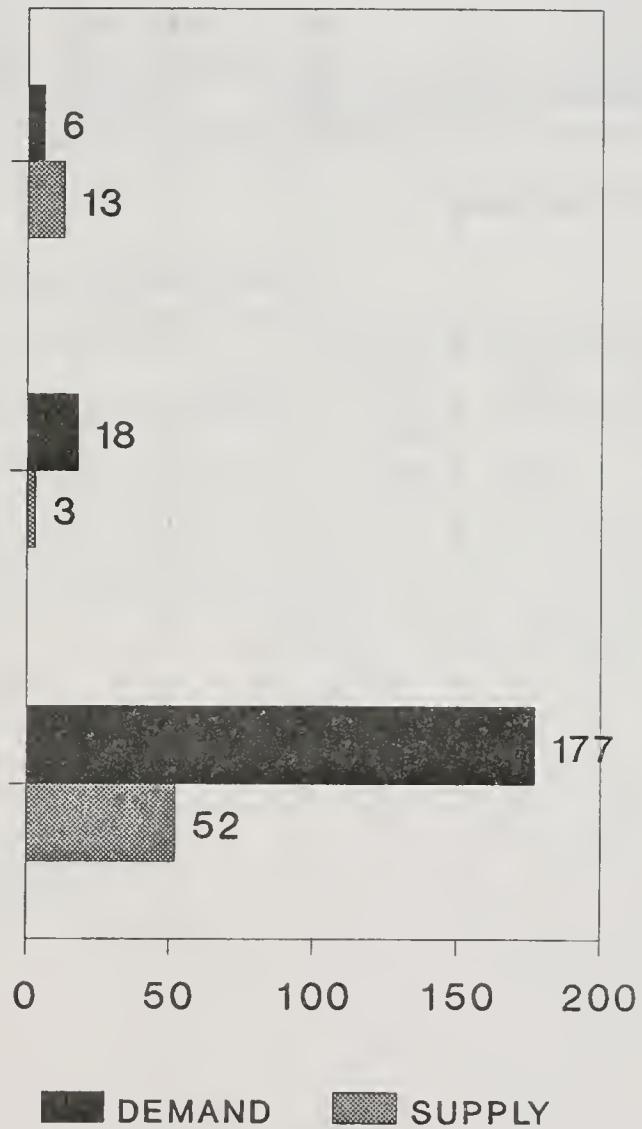
DEMAND VS. SUPPLY

ESTIMATED ANNUAL OPENINGS VS. TRAINING COMPLETERS

PS01 EMERGENCY MEDICAL TECHNOLOGY

PS02 FIRE & FIRE SAFETY

PS03 POLICE SCIENCE & CRIMINOLOGY



DEMAND REPORT

[STATEWIDE]	MONTANA DEPARTMENT OF LABOR AND INDUSTRY					
- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
EMERGENCY MEDICAL TECHNICIANS	32508	255	287	4	2	6
	***TOTALS	255	287	4	2	6

SUPPLY REPORT

[STATEWIDE]	SCHOOL YEAR 1988-89								
- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JOB JTPA	PRIV. CORPS	VOC SCHOOL	TOTAL REHAB	*****
EMERGENCY MEDICAL TEC	17.0206			13					13
	***TOTALS			13					13

NO ANALYSIS REPORT

CLUSTER TITLE: FIRE & FIRE SAFETY

CLUSTER CODE PS02

DEMAND REPORT

[STATEWIDE]	MONTANA DEPARTMENT OF LABOR AND INDUSTRY					
- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
FIRE FIGHTING & PREV.SUPERVISORS	61002	117	134	2	2	4
FIRE INSPECTORS	63001	13	14	0	0	0
FIRE FIGHTERS	63008	526	600	8	6	14
***TOTALS	656	748	10	8	18	

SUPPLY REPORT

[STATEWIDE]	SCHOOL YEAR 1988-89								
- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
FIREFIGHTING	43.0203					3			3
***TOTALS						3			3

ANALYSIS INFORMATION

[STATEWIDE]	MONTANA DEPARTMENT OF LABOR AND INDUSTRY				
D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
373.364-010 FIRE FIGHTER		3	160	21	N.A.
452.687-014 FOREST-FIRE FIGHTER		0	298	1003	N.A.

DEMAND REPORT

[STATEWIDE]

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	MONTANA DEPARTMENT OF LABOR AND INDUSTRY		
				GROWTH	EST. ANNUAL REPLAC	1986-1995 OPEN
DISPATCHER: POLICE, FIRE, AMBULANCE	58002	446	491	5	7	12
POLICE & DETECTIVE SUPERVISORS	61005	210	231	2	2	4
POLICE DETECTIVES	63011	98	106	1	1	2
POLICE PATROL OFFICERS	63014	920	1021	11	12	23
CORRECTION OFFICERS & JAILERS	63017	371	458	10	12	22
PARKING ENFORCEMENT OFFICERS	63021	51	62	1	2	3
BAILIFFS	63023	27	29	0	1	1
U.S. MARSHALLS	63026	2	2	0	0	0
CRIMINAL INVESTIGATORS, FEDERAL	63028	41	44	0	1	1
SHERIFFS, DEPUTIES, US MARSHALLS	63031	683	709	3	24	27
PRIVATE DETECTIVE & INVESTIGATOR	63035	80	91	1	6	7
RAILROAD POLICE & SPECIAL AGENTS	63038	10	9	0	1	1
CROSSING GUARDS	63044	106	127	2	6	8
GUARDS & WATCH GUARDS	63047	670	746	8	52	60
ALL OTHER PROTECTIVE SERVICE	63099	385	433	5	1	6
***TOTALS		4100	4559	49	128	177

SUPPLY REPORT

[STATEWIDE]

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	SCHOOL YEAR 1988-89		
							PRIV. SCHOOL	VOC REHAB	TOTAL *****
CRIMINAL JUSTICE STUDIE	43.0104			20					20
LAW ENFORCEMENT	43.0107			16	2			2	20
SECURITY SERVICES	43.0109				10			2	12
***TOTALS				36	12			4	52

ANALYSIS INFORMATION

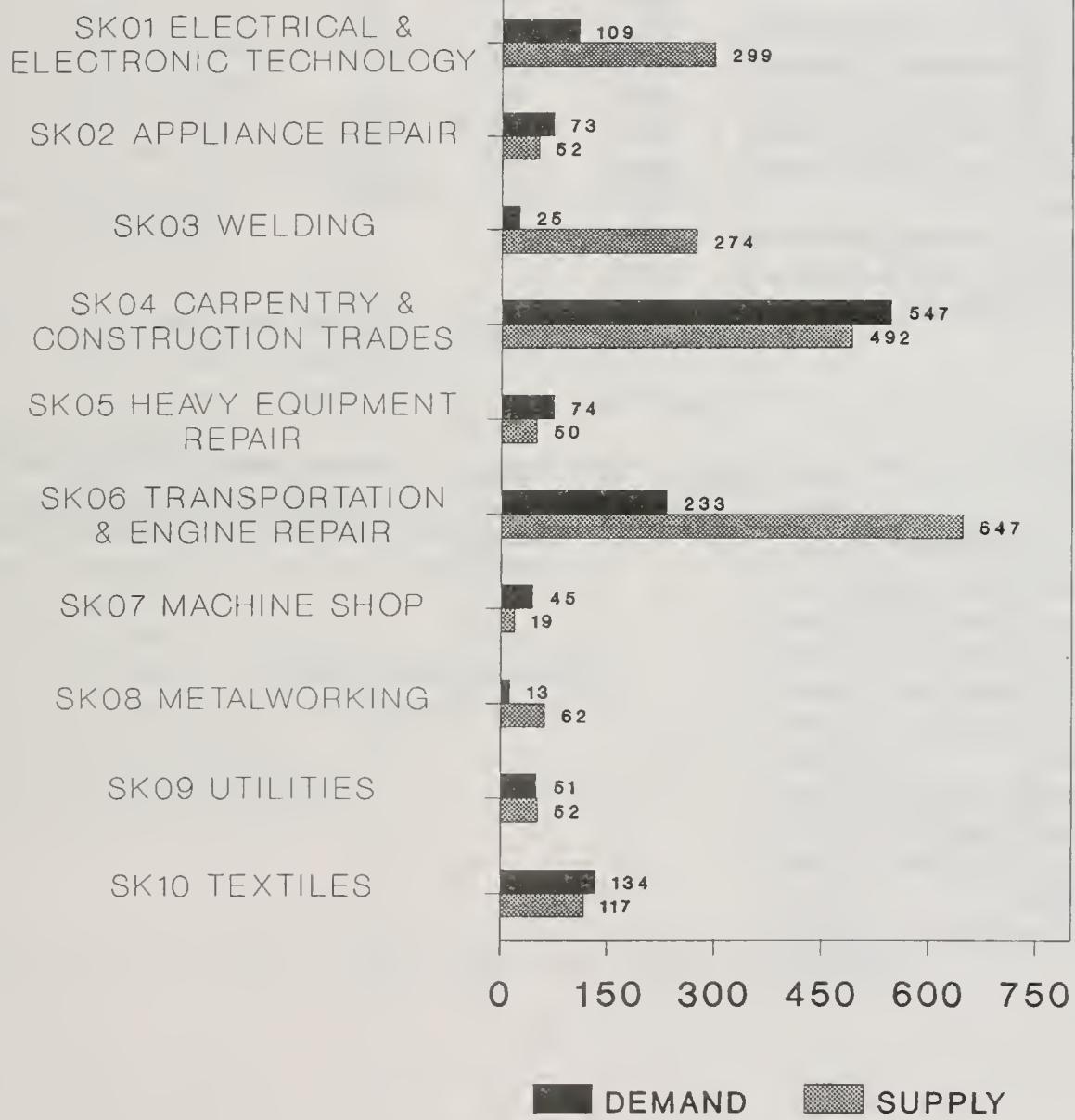
[STATEWIDE]

D.O.T. CODE	D.O.T. TITLE		MONTANA DEPARTMENT OF LABOR AND INDUSTRY		
			APPREN	J.S. APPS	J.S. OPEN
189.167-034 SECURITY OFFICER			0	28	0
372.667-018 CORRECTION OFFICER			0	50	38
372.667-034 GUARD, SECURITY			0	152	96
372.667-038 MERCHANT PATROLLER			0	278	165
375.263-014 POLICE OFFICER 1			0	115	22
375.587-010 PARKING ENFORCEMENT OFFICER			0	6	1

SKILLS CLUSTERS

DEMAND VS. SUPPLY

ESTIMATED ANNUAL OPENINGS VS. TRAINING COMPLETERS



DEMAND REPORT

[STATEWIDE]

- OCCUPATION - TITLE	OES CODE	MONTANA DEPARTMENT OF LABOR AND INDUSTRY			EST. ANNUAL 1986-1995		
		1986 EMPLOY	1995 EMPLOY	GROWTH	REPLAC	OPEN	
ELECTRICAL & ELECTRONIC ENGINEER	22126	261	345	9	5	14	
ELECTRICAL & ELECTRONIC TECHNS.	22505	382	456	8	8	16	
RADIO MECHANICS	85514	54	62	1	1	2	
DATA PROCESSING EQUIP. REPAIRERS	85705	27	37	1	0	1	
ELECTRONICS REPAIRERS, COMM.& IND.	85717	84	92	1	1	2	
ELECTRICAL INSTALLERS & REPAIRER	85728	81	83	0	2	2	
ALL OTHER ELECTRIC., ELECTRO.MECH	85799	156	179	3	5	8	
ELECTROMEDICAL & BIOMED. REPAIR.	85908	26	32	1	4	5	
ELECTRICIANS	87202	1011	1143	15	36	51	
ELECTRICAL, ELECTRONIC ASSEMBLER	93114	53	76	3	0	3	
ELECTRICAL, ELECTRONIC ASSEMBLER	93905	9	14	1	1	2	
HELPERS, ELECTRICIANS	98313	82	97	2	1	3	
***TOTALS		2226	2616	45	64	109	

SUPPLY REPORT

[STATEWIDE]

- PROGRAM - TITLE	CIP CODE	SCHOOL YEAR 1988-89							
		PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
ELECTRICAL, ELECTRONIC	14.1001			123					123
MICROELECTRONIC ENGIN	14.1002							2	2
ELECTRICAL TECHNOLOGY	15.0302			14				5	19
ELECTRONIC TECHNOLOG	15.0303		16	12					28
ROBOTICS TECHNOLOGY	15.0405				1			3	4
ELECTRICITY/ELECTRONI	21.0104	58							58
ELECTRICIAN	46.0302				12	3		1	16
ELECTRICAL/ELECTRONIC	47.0101	2	10						12
BUSINESS MACHINE REPA	47.0102				6				6
INDUSTRIAL ELECTRONIC	47.0105		18		8			3	29
MOTOR REPAIR	47.0107				1				1
VENDING & RECREATIONA	47.0109				1				1
***TOTALS		60	44	149	29	3	14		299

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
003.061-010	ELECTRICAL ENGINEER	0	51	4	15.30
003.061-014	ELECTRICAL TEST ENGINEER	0	1	0	N.A.
003.161-014	ELECTRONICS TECHNICIAN	0	113	21	11.91
003.281-010	DRAFTER, ELECTRICAL	0	6	3	N.A.
003.281-014	DRAFTER, ELECTRONIC	0	0	0	9.36
633.281-018	OFFICE-MACHINE SERVICER	1	23	20	7.03
638.261-022	PINSETTER MECHANIC, AUTOMATIC	0	22	2	5.40
720.281-010	RADIO REPAIRER	0	2	2	N.A.
720.281-018	TELEVISION-AND-RADIO REPAIRER	0	9	6	6.72
721.281-018	ELECTRIC-MOTOR REPAIRER	0	4	1	N.A.
721.684-022	ELECTRIC-MOTOR ASSEMBLER	0	6	0	N.A.
723.684-014	ASSEMBLER 1	0	1	0	N.A.
724.684-026	COIL WINDER	0	2	0	N.A.
726.130-010	SUPERVISOR, ELECTRONICS	0	1	0	N.A.
726.261-010	ELECTRONICS ASSEMBLER, DEVELOPMENTAL	0	4	0	N.A.
726.381-010	ELECTRONICS INSPECTOR 1	0	7	1	N.A.
726.384-010	ELECTRONICS ASSEMBLER	0	0	2	N.A.
726.684-010	CAPACITOR-PACK-PRESS OPERATOR	0	1	0	N.A.
726.684-018	ELECTRONICS ASSEMBLER	0	60	23	N.A.
726.684-022	ELECTRONICS INSPECTOR 2	0	3	0	N.A.
729.384-010	ASSEMBLER, ELECTRICAL ACCESSORIES 2	0	1	0	N.A.
729.687-010	ASSEMBLER, ELECTRICAL ACCESSORIES 1	0	7	0	N.A.
824.261-010	ELECTRICIAN	1	321	21	12.54
825.281-018	ELECTRICIAN, AIRPLANE	0	4	0	N.A.
826.361-010	ASSEMBLER AND WIRER, INDUSTRIAL EQUIPM	0	1	3	N.A.
828.251-010	ELECTRONIC-SALES-AND-SERVICE TECHNICA	0	0	0	7.57
828.261-014	FIELD ENGINEER	0	0	0	11.18
828.281-010	ELECTRONICS MECHANIC	0	158	9	13.34
829.281-014	ELECTRICAL REPAIRER	0	18	0	14.99

DEMAND REPORT

[STATEWIDE]

- OCCUPATION - TITLE	OES CODE	MONTANA DEPARTMENT OF LABOR AND INDUSTRY					
		1986 EMPLOY	1995 EMPLOY	GROWTH	EST. ANNUAL	1986-1995 REPLAC	OPEN
HOME ENTERTAINMENT EQ. REPAIRERS	85708	115	145	3	5	8	
ELECTR. HOME APPL. & POWER TOOL	85711	166	201	4	8	12	
ELECTRIC MOTOR REPAIRERS	85714	27	36	1	1	2	
HEATING, A/C, REFRIG. MECHANICS	85902	374	440	7	30	37	
CAMERA & PHOTOGRAPHIC REPAIRERS	85914	2	2	0	0	0	
OFFICE MACHINE, REGISTER SERVICER	85926	184	195	1	1	2	
GAS APPLIANCE REPAIRERS	85944	130	146	2	6	8	
COIN & VENDING MACHINE SERVICERS	85947	68	79	1	3	4	
***TOTALS		1066	1244	19	54	73	

SUPPLY REPORT

[STATEWIDE]

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	SCHOOL YEAR 1988-89		
							PRIV. SCHOOL	VOC REHAB	TOTAL *****
COMMUNICATION ELECTR	47.0103					4			4
MAJOR APPLIANCE REPAI	47.0106		21			6		3	30
SMALL APPLIANCE REPAI	47.0108					1			1
HEATING/AIR CONDITION	47.0201		13						13
COOLING & REFRIGERATI	47.0202					3		1	4
***TOTALS			34			14		5	70

ANALYSIS INFORMATION

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D.O.T. CODE	D.O.T. TITLE	APPREN	J.S.	J.S.	Avg.
			APPS	OPEN	HRWAGE
633.281-010 CASH-REGISTER SERVICER		0	3	0	N.A.
637.261-014 ENVIRONMENTAL-CONTROL-SYSTEM INSTALLER		1	29	7	13.01
637.261-018 GAS-APPLIANCE SERVICER		0	16	3	N.A.
637.261-026 REFRIGERATION MECHANIC		0	19	3	10.20
637.664-010 ENVIRONMENTAL-CONTROL-SYSTEM INSTALLER		0	4	1	N.A.
639.281-014 COIN-MACHINE-SERVICE REPAIRER		0	9	1	N.A.
639.281-018 SEWING-MACHINE REPAIRER		0	3	4	N.A.
822.281-018 MAINTENANCE MECHANIC, TELEPHONE		0	6	1	N.A.
823.261-018 RADIO MECHANIC		0	6	2	N.A.
827.261-010 ELECTRICAL-APPLIANCE SERVICER		0	0	0	6.48

CLUSTER TITLE: WELDING

CLUSTER CODE SK03

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
WELDING MACHINE SETTER/OPERATOR	91702	18	22	0	0	0
WELDING MACHINE OPERATORS	91705	3	2	0	0	0
WELDERS & CUTTERS	93914	712	832	13	12	25
***TOTALS		733	856	13	12	25

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
WELDING TECHNOLOGY	15.0610	*	*	*	*	*	*	1	1
WELDING	48.0508	203	23	*	6	40	*	1	273
***TOTALS		203	23	*	6	40	*	2	274

ANALYSIS INFORMATION

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
810.384-014	WELDER, ARC	0	0	0	9.40
811.684-014	WELDER, GAS	0	8	0	7.70
819.131-014	WELDING SUPERVISOR	0	0	0	13.70
819.384-010	WELDER, COMBINATION	0	539	105	11.32

DEMAND REPORT

[STATEWIDE]		MONTANA DEPARTMENT OF LABOR AND INDUSTRY				
- OCCUPATION -	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	REPLAC	OPEN
ALL OTHER MATERIAL WORKERS	58099	141	151	1	4	5
FIRST LINE SUPERV.:CONST.EXTRAC.	81005	795	876	9	26	35
FIRST LINE SUPERV.:HELP,LABORERS	81017	199	226	3	49	52
CEILING TILE INSTALLERS	87105	18	21	0	0	0
DRYWALL INSTALLERS	87108	60	73	1	1	2
CARPENTERS	87110	2166	2723	62	85	147
TAPERS	87111	40	49	1	1	2
BRICK MASONS	87302	94	106	1	3	4
STONE MASONS	87305	28	36	1	1	2
HARD TILE SETTERS	87308	4	5	0	0	0
CONCRETE & TERRAZZO FINISHERS	87311	325	392	7	2	9
PLASTERERS & STUCCO MASONS	87317	43	49	1	9	10
PAINTERS & PAPERHANGERS	87402	273	317	5	7	12
PLUMBER, PIPEFITTER, STEAMFITTER	87502	715	828	13	26	39
PIPELAYING FITTERS	87505	63	70	1	1	2
PIPELAYERS	87508	102	122	2	2	4
CARPET INSTALLERS	87602	48	63	2	1	3
FLOOR LAYERS,EX.CARPET,WOOD,TILE	87605	4	5	0	0	0
INSULATION WORKERS	87802	91	109	2	2	4
ROOFERS	87808	142	178	4	8	12
GLAZIERS	87811	142	155	1	4	5
FENCE ERECTORS	87817	93	101	1	2	3
ALL OTHER CONSTRUCTION WORKERS	87899	217	220	0	4	4
CABINETMAKERS & BENCH CARPENTERS	89311	250	299	5	7	12
FURNITURE FINISHERS	89314	23	27	0	1	1
WOODWORKING MACHINE SETTER/OPER.	92311	237	249	1	3	4
WOODWORKING MACHINE OPERATORS	92314	163	174	1	2	3
COIL WINDERS, TAPERS, FINISHERS	93908	3	5	0	0	0
HELPERS, MASONS & TILE SETTERS	98311	57	67	1	1	2
HELPERS, CARPENTERS	98312	366	459	10	4	14
HELPERS, PAINTERS, PLASTERERS	98314	53	62	1	1	2
HELPERS, PLUMBERS, PIPEFITTERS	98315	76	90	2	1	3
HELPERS, ROOFERS	98316	14	16	0	0	0
HELPERS, ALL OTHER CONSTRUCTION	98319	352	381	3	2	5
ALL OTHER HAND MATERIAL MOVERS	98799	1607	1731	14	26	40
ALL OTHER HELPER, LABORER, MOVER	98999	4093	4237	16	89	105
***TOTALS		13097	14672	172	375	547

S U P P L Y R E P O R T

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SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
CONSTRUCTION	21.0102	262							262
BRICKMASONRY, BLOCK,	46.0102				1	10		2	13
CARPENTRY	46.0201	85	11	11	6	38		2	153
CONCRETE PLACING & FIN	46.0402				1	16		1	18
CONSTRUCTION INSPECTI	46.0403							1	1
GLAZING	46.0406				1				1
INSULATION INSTALLATIO	46.0407				3				3
PAINTING & DECORATING	46.0408				2	15			17
PLASTERING	46.0409					1			1
ROOFING	46.0410							1	1
MISC. CONSTRUCTION TR	46.0499			2	3			1	6
PIPEFITTING & STEAMFITT	46.0502				13			1	14
CONSTRUCTION TRADES	46.9999				2				2
***TOTALS		347	11	13	32	80		9	492

A N A L Y S I S I N F O R M A T I O N

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
760.684-010 BENCH CARPENTER		0	0	0	7.13
840.381-010 PAINTER		1	438	135	10.76
842.361-010 LATHER		0	4	0	N.A.
842.361-018 PLASTERER		0	9	0	N.A.
842.664-010 TAPER		0	24	7	N.A.
844.364-010 CEMENT MASON		0	140	20	N.A.
860.281-010 CARPENTER, MAINTENANCE		0	11	5	7.92
860.381-022 CARPENTER		1	1323	203	9.51
860.381-026 CARPENTER APPRENTICE		2	0	0	N.A.
861.381-018 BRICKLAYER		0	55	1	N.A.
862.381-018 PIPE FITTER		1	137	13	N.A.
862.381-030 PLUMBER		18	119	10	12.74
862.381-034 PLUMBER APPRENTICE		0	21	1	N.A.
864.381-010 CARPET LAYER		0	58	6	N.A.
865.381-010 GLAZIER		0	41	4	11.28
866.381-010 ROOFER		2	201	86	N.A.
869.664-014 CONSTRUCTION WORKER 1		0	1437	868	N.A.
869.684-010 ASSEMBLER		0	6	15	N.A.
869.687-026 CONSTRUCTION WORKER 2		0	1133	634	N.A.
869.687-038 INSPECTOR		0	0	0	8.43
899.281-014 MAINTENANCE REPAIRER, FACTORY OR MILL		0	10	8	N.A.

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
MACHINERY MECHANICS: PLANT	85118	136	154	2	5	7
ALL OTHER MACHINERY MECHANICS	85119	414	419	1	16	17
MILLWRIGHTS	85123	354	383	3	7	10
MACHINERY MAINTENANCE WORKERS	85128	201	223	2	9	11
MOBILE HEAVY EQUIPMENT MECHANICS	85314	573	665	10	18	28
SIGNAL OR TRACK SWITCH MAINT.	85511	95	87	-1	1	0
RIGGERS	85935	12	14	0	1	1
***TOTALS		1785	1945	17	57	74

SUPPLY REPORT

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SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
HEAVY EQUIPMENT MAINT	47.0302	*	10	*	5	5	*	*	20
INDUSTRIAL MACHINERY	47.0303	*	*	*	2	*	15	1	18
MINE EQUIPMENT MAINT	47.0304	*	*	*	1	*	*	*	1
DIESEL ENGINE MECHANI	47.0605	*	5	*	2	2	*	2	11
***TOTALS		*	15	*	10	7	15	2	32

ANALYSIS INFORMATION

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
620.261-022	CONSTRUCTION-EQUIPMENT MECHANIC	0	141	26	12.03
620.281-046	MAINTENANCE MECHANIC	0	16	0	N.A.
625.281-010	DIESEL MECHANIC	1	264	85	12.91
638.261-014	MACHINERY ERECTOR	0	2	0	N.A.
638.281-014	MAINTENANCE MECHANIC	0	160	89	10.93
638.281-018	MILLWRIGHT	0	111	15	12.13
638.281-022	MILLWRIGHT APPRENTICE	1	0	0	N.A.
915.687-018	LUBRICATION SERVICER	0	29	33	N.A.

DEMAND REPORT

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
FIRST LINE SUPERV.:MECH.& REPAIR	81002	1354	1466	12	38	50
AUTOMOTIVE MECHANICS	85302	1729	1856	14	53	67
AUTOMOTIVE BODY,RELATED REPAIRER	85305	551	638	10	11	21
MOTORCYCLE REPAIRERS	85308	50	53	0	0	0
BUS, TRUCK, DIESEL ENG. MECHANIC	85311	1036	1177	16	24	40
RAIL CAR REPAIRERS	85317	29	27	0	1	1
SMALL ENGINE SPECIALISTS	85328	101	117	2	0	2
BICYCLE REPAIRERS	85951	21	23	0	1	1
TIRE REPAIRERS & CHANGERS	85953	415	421	1	19	20
PAINTERS, TRANSPORTATION EQUIP.	92947	31	35	0	1	1
SERVICE STATION ATTENDANTS	97805	943	974	3	14	17
MECHANIC & REPAIRER HELPERS	98102	281	308	3	10	13
***TOTALS		6541	7095	61	172	233

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
AUTOMOTIVE TECHNOLOG	15.0803			13					13
AUTOMOTIVE BODY REPAI	47.0603	24	26		8	9		2	69
AUTOMOTIVE MECHANICS	47.0604	400	44		20	18		6	488
SMALL ENGINE REPAIR	47.0606	50	10		1			4	65
VEHICLE & MOBILE EQUIP	47.0699		10						10
MARINE MAINTENANCE	49.0306			2					2
***TOTALS		474	90	13	31	27		12	647

ANALYSIS INFORMATION

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
620.261-010	AUTOMOBILE MECHANIC	4	743	254	10.49
620.281-010	AIR-CONDITIONING MECHANIC	0	5	0	N.A.
620.281-054	MOTORCYCLE REPAIRER	0	0	0	7.06
620.281-062	TRANSMISSION MECHANIC	0	0	0	9.00
620.381-010	AUTOMOBILE-RADIATOR MECHANIC	0	0	0	8.69
620.381-022	REPAIRER, HEAVY	0	2	1	N.A.
620.684-014	AUTOMOBILE-MECHANIC HELPER	0	0	0	6.23
625.281-026	GAS-ENGINE REPAIRER	0	0	0	6.60
625.281-034	SMALL-ENGINE MECHANIC	0	62	32	N.A.
638.261-018	MANUFACTURER'S SERVICE REPRESENTATIVE	0	0	0	9.54
639.681-010	BICYCLE REPAIRER	0	0	0	3.46
806.361-026	NEW-CAR GET-READY MECHANIC	0	0	0	5.41
806.684-038	AUTOMOBILE-ACCESSORIES INSTALLER	0	0	0	5.96
807.281-010	TRUCK-BODY BUILDER	0	0	0	8.58
807.381-010	AUTOMOBILE-BODY REPAIRER	0	239	49	9.54
845.381-014	PAINTER, TRANSPORTATION EQUIPMENT	0	15	4	N.A.
862.261-010	PIPE FITTER	0	3	0	N.A.
863.381-014	PIPE COVERER AND INSULATOR	0	2	0	N.A.
915.684-010	TIRE REPAIRER	0	0	0	6.17

DEMAND REPORT

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
TOOL AND DIE MAKERS	89102	7	7	0	0	0
MACHINISTS	89108	738	750	1	22	23
TOOL GRINDERS,FILERS,SHARPENERS	89111	154	166	1	5	6
PATTERN & MODEL MAKERS, WOOD	89302	1	1	0	0	0
WOOD MACHINISTS	89308	77	82	1	2	3
MOLDERS & SHAPERS, EXC. JEWELRY	89905	6	6	0	0	0
SAWING MACH. TOOL SETTER/OP.,M/P	91102	2	2	0	0	0
LATHE,TURNING MACH.SETTER/OP,M/P	91105	15	13	0	0	0
DRILLING,BORING MACH.SET/OP.,M/P	91108	2	2	0	0	0
GRINDING,BUFFING MACH.SET/OP.M/P	91114	4	5	0	0	0
MACHINE TOOL CUTTING OPER., M/P	91117	20	14	-1	0	-1
PUNCHING MACH. SETTER/OPER., M/P	91302	7	8	0	0	0
PRESS, BRAKE MACH.SETTER/OP.,M/P	91305	10	8	0	0	0
MACHINE FORMING OPERATORS, M/P	91321	11	11	0	1	1
COMBINATION MACH.TOOL OPER., M/P	91508	54	37	-2	1	-1
PLASTIC MOLDING, CASTING OPER.	91905	7	7	0	1	1
ALL OTHER MET./PLAST. MACH. SET/	92100	11	13	0	0	0
SAWING MACHINE SETTER/OPERATOR	92302	38	41	0	0	0
SAWING MACHING OPERATOR/TENDER	92308	617	664	5	8	13
MACHINE BUILDERS	93105	5	5	0	0	0
***TOTALS		1786	1842	5	40	45

SUPPLY REPORT

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SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
MACHINE TOOL OPERATIO	48.0503		13		3	1		2	19
***TOTALS			13		3	1		2	19

ANALYSIS INFORMATION

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
521.682-026	GRINDER OPERATOR	0	0	0	8.51
557.382-010	EXTRUDER OPERATOR	0	2	0	N.A.
600.280-022	MACHINIST	3	168	35	10.15
600.280-030	MACHINIST APPRENTICE, AUTOMOTIVE	1	0	0	N.A.
600.280-034	MACHINIST, AUTOMOTIVE	0	0	0	8.86
600.380-018	MACHINE SET-UP OPERATOR	0	5	1	6.51
601.280-046	TOOL-AND-DIE MAKER	0	3	0	10.59
603.280-018	GRINDER OPERATOR, TOOL	0	0	1	N.A.
603.664-010	TOOL GRINDER 2	0	4	5	N.A.
603.682-026	POLISHING-MACHINE OPERATOR	0	1	0	N.A.
603.685-062	GRINDER OPERATOR, PRODUCTION	0	0	0	8.62
604.280-014	SCREW-MACHINE SET-UP OPERATOR, MULTIPL	0	0	0	7.80
604.685-026	LATHE OPERATOR, PRODUCTION	0	5	3	N.A.
605.380-010	MILLING-MACHINE OPERATOR, NUMERICAL CO	0	0	0	7.41
606.682-010	BORING-MACHINE OPERATOR	0	1	0	N.A.
606.682-014	DRILL-PRESS OPERATOR	0	0	0	7.84
609.684-014	LABORER, GENERAL	0	0	0	7.91
609.685-018	PRODUCTION-MACHINE TENDER	0	4	0	10.20
615.482-022	PUNCH-PRESS OPERATOR 1	0	0	1	N.A.
619.130-030	SUPERVISOR, LINE	0	0	0	11.49
626.281-010	MACHINE REPAIRER, MAINTENANCE	0	3	0	N.A.
638.684-018	MAINTENANCE-MECHANIC HELPER	0	6	6	N.A.
669.686-018	CHAIN OFFBEARER	0	0	0	8.37
691.382-010	EXTRUDING-MACHINE OPERATOR	0	1	0	N.A.
701.381-014	SAW FILER	0	0	0	11.02
705.687-014	LABORER, GRINDING AND POLISHING	0	4	0	N.A.

DEMAND REPORT

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
REINFORCING METAL WORKERS	87314	86	103	2	1	3
SHEET METAL DUCT INSTALLERS	87805	6	7	0	0	0
STRUCTURAL METAL WORKERS	87814	131	161	3	2	5
SHEET METAL WORKERS	89132	262	284	2	1	3
BOILERMAKERS	89135	31	30	0	0	0
ALL OTHER PRECISION METAL WORKER	89199	1	1	0	0	0
FOUNDRY MOLD & CORE MAKERS	89902	12	9	0	1	1
STRUCTURAL METAL FABRICATORS	91714	162	120	-5	5	0
METAL MOLDING, CASTING OPERATOR	91911	6	4	0	1	1
ELECTROLYTIC PLATING SET/OP.,M/P	91917	13	9	0	0	0
METAL POURERS, BASIC SHAPES	93941	35	24	-1	1	0
***TOTALS		745	752	1	12	13

SUPPLY REPORT

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SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
PRECISION METAL WORK,	48.0501	49							49
FOUNDRY WORK	48.0502				3				3
METAL FABRICATION	48.0504				8			2	10
***TOTALS		49			11			2	62

ANALYSIS INFORMATION

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
504.682-018	HEAT TREATER 2	0	1	14	N.A.
509.686-010	LABORER, GENERAL	0	68	71	N.A.
518.361-010	MOLDER	0	0	0	7.19
519.687-022	FOUNDRY WORKER, GENERAL	0	11	23	4.66
619.260-008	ORNAMENTAL-METAL WORKER	0	1	0	N.A.
619.360-014	METAL FABRICATOR	0	7	11	N.A.
804.281-010	SHEET-METAL WORKER	7	104	22	N.A.
805.261-014	BOILERMAKER 1	0	40	0	N.A.
806.134-010	SUPERVISOR, AUTOMOBILE ASSEMBLY	0	0	0	9.37
806.381-046	SHIPFITTER	0	1	0	N.A.
809.281-010	LAY-OUT WORKER 1	0	2	1	N.A.
809.381-010	FABRICATOR-ASSEMBLER, METAL PRODUCTS	0	0	0	10.72

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
ESTIMATORS & DRAFTERS, UTILITIES	22517	16	18	0	0	0
CUSTOMER SERVICE REPS, UTILITIES	55335	250	271	2	4	6
METER READERS, UTILITIES	58014	202	212	1	4	5
CENTRAL OFFICE & PBX INSTAL/RPR.	85502	231	248	2	3	5
FRAME WIRERS, CENTRAL OFFICE	85505	18	15	0	0	0
ALL OTHER COMMUN.EQUIP.MECHANICS	85599	37	44	1	1	2
TELEPHONE & CABLE TV INSTAL/RPR.	85702	287	280	-1	2	1
POWERHOUSE & RELAY ELECTRICIANS	85721	44	49	1	1	2
ELECTRICAL POWERLINE INSTAL/RPR.	85723	552	549	0	14	14
TELEPH. STATION INSTALL.& REPAIR	85726	207	165	-5	2	-3
ELECTRIC METER INSTALLERS/REPAIR	85911	107	122	2	17	19
***TOTALS		1951	1973	3	48	51

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
*TELECOMMUNICATIONS	09.0801						42		42
LINEWORKER	46.0303					4		1	5
PLUMBING	46.0503					1			1
CONVENTIONAL ELECTRIC	47.0502			1		1		2	4
***TOTALS				1		6		42	52

* The following breakdown of hiring occurred with these graduates: 35 were hired into telephone occupations, four used school to improve skills, three were not hired into the telephone industry. Nearly all of these jobs were located outside the state of Montana.

ANALYSIS INFORMATION

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
209.567-010	METER READER	0	0	0	7.98
710.281-026	INSTRUMENT MECHANIC	0	3	1	N.A.
821.131-014	LINE SUPERVISOR	0	0	0	16.22
821.261-014	LINE MAINTAINER	1	0	0	11.83
821.361-018	LINE ERECTOR	1	0	0	15.09
821.361-026	LINE REPAIRER	6	14	1	15.24
822.281-014	CENTRAL-OFFICE REPAIRER	1	3	0	N.A.
822.381-018	PRIVATE-BRANCH-EXCHANGE INSTALLER	1	0	0	13.28
824.281-014	ELECTRIC-DISTRIBUTION CHECKER	2	0	0	N.A.
862.684-014	LABORER, CONSTRUCTION OR LEAK GANG	0	18	27	N.A.
952.362-026	SUBSTATION OPERATOR	0	1	0	N.A.
952.362-038	SWITCHBOARD OPERATOR	0	1	0	N.A.
952.362-042	TURBINE OPERATOR	0	1	0	N.A.

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
MENDERS, GARMENTS & LINENS	85956	50	54	0	2	2
CUSTOM TAILORS & SEWERS	89505	81	93	1	11	12
UPHOLSTERERS	89508	82	101	2	2	4
SHOE & LEATHER WORKERS	89511	21	23	0	3	3
SPOTTERS, DRY CLEANING	89514	36	41	1	2	3
PRESSERS, DELICATE FABRICS	89517	71	81	1	4	5
ALL OTHER PRECISION TEXTILE, APPA	89599	8	8	0	1	1
TEXTILE MACHINE OPERATORS	92705	2	4	0	0	0
SEWING MACH. OPERATOR, GARMENT	92717	232	433	22	21	43
SEWING MACH. OPER., NON-GARMENT	92721	57	77	2	4	6
SHOE SEWING MACHINE OPERATOR	92723	16	18	0	0	0
LAUNDRY, DRYCLEANING MACH. OPER.	92726	600	708	12	36	48
PRESSING MACH. OPERATOR, TEXTILES	92728	84	98	2	5	7
PRESSERS, HAND	93921	20	23	0	0	0
SEWERS, HAND	93923	6	7	0	0	0
CUTTERS & TRIMMERS, HAND	93926	12	15	0	0	0
***TOTALS		1378	1784	43	91	134

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
DRYCLEANING & LAUNDER	12.0101				4			1	5
CLOTHING/APPAREL/TEXT	20.0301	92							92
CLOTHING MAINTENANCE	20.0302				2			1	3
COMMERCIAL GARMENT &	20.0303				4			5	9
CUSTOM APPAREL/GARME	20.0304				1				1
UPHOLSTERING	48.0303				6			1	7
***TOTALS		92			17			8	117

ANALYSIS INFORMATION

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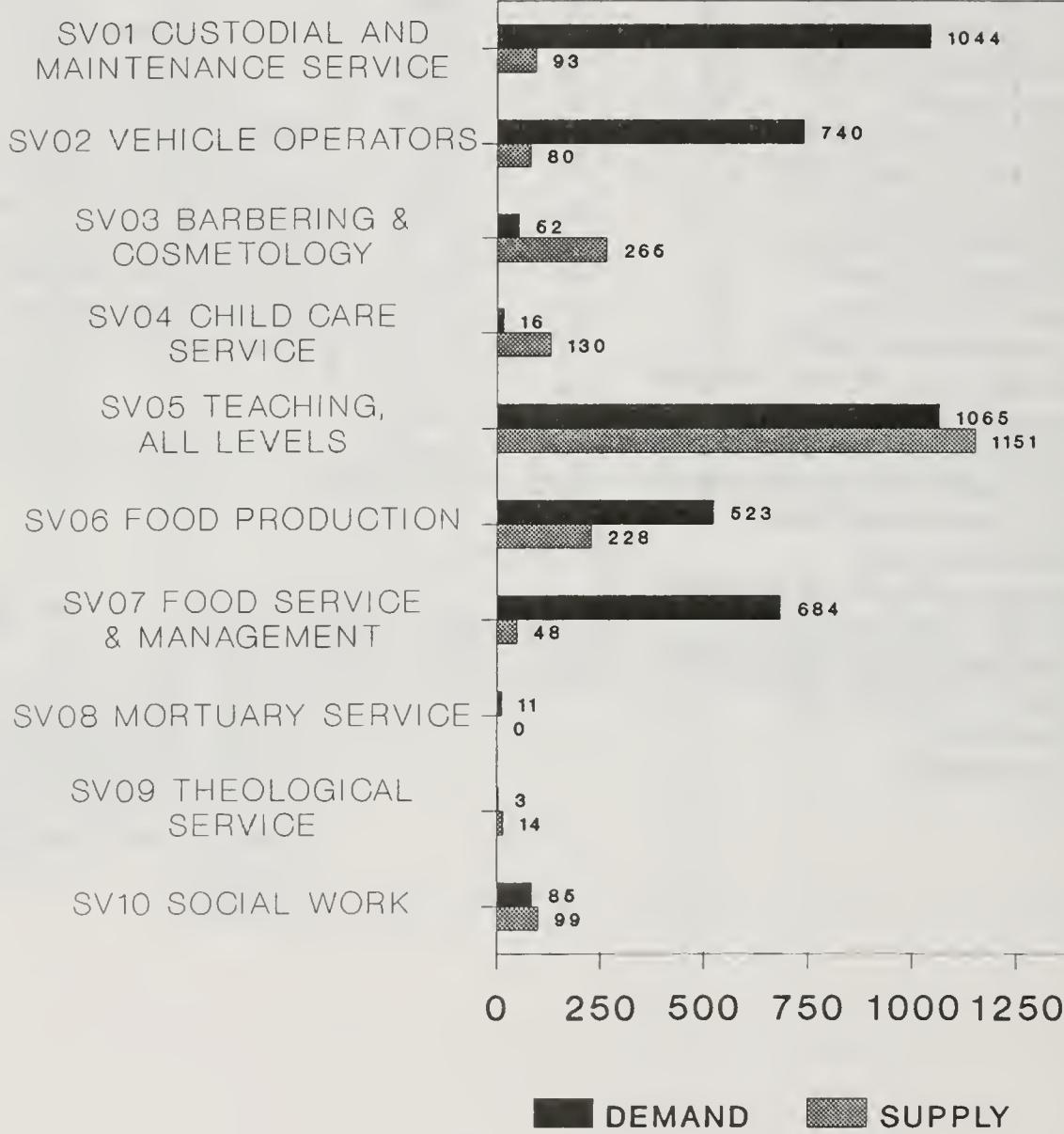
MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
142.061-018	CLOTHES DESIGNER	0	2	0	N.A.
221.367-070	SERVICE CLERK	0	0	0	5.98
302.687-010	IRONER	0	1	2	N.A.
361.137-010	SUPERVISOR, LAUNDRY	0	0	0	7.04
361.665-010	WASHER, MACHINE	0	10	3	N.A.
361.684-014	LAUNDRY WORKER 1	0	0	0	4.78
361.685-018	LAUNDRY WORKER 2	0	53	46	N.A.
361.687-014	CLASSIFIER	0	1	0	N.A.
361.687-018	LAUNDRY LABORER	0	58	17	N.A.
362.684-010	DRY CLEANER, HAND	0	1	0	N.A.
363.681-010	SILK FINISHER	0	0	0	4.86
363.682-018	PRESSER, MACHINE	0	5	4	N.A.
363.684-018	PRESSER, HAND	0	3	8	N.A.
363.685-026	SHIRT PRESSER	0	1	0	N.A.
363.686-010	FLATWORK FINISHER	0	2	0	N.A.
685.665-014	KNITTING-MACHINE OPERATOR	0	1	0	N.A.
689.684-010	BURLER	0	2	0	N.A.
690.682-082	STITCHER, STANDARD MACHINE	0	3	1	N.A.
780.381-018	FURNITURE UPHOLSTERER	0	9	9	6.00
780.681-010	UPHOLSTERER, INSIDE	0	2	1	N.A.
782.684-058	SEWER, HAND	0	14	5	N.A.
783.682-014	SEWING-MACHINE OPERATOR	0	1	3	N.A.
785.261-010	ALTERATION TAILOR	0	27	26	4.48
787.682-046	SEWING-MACHINE OPERATOR	0	101	39	4.86
789.687-066	GARMENT FOLDER	0	0	5	N.A.
795.687-014	GLUER	0	1	0	N.A.
920.687-018	BAGGER	0	0	0	3.98

SERVICE CLUSTERS

DEMAND VS. SUPPLY

ESTIMATED ANNUAL OPENINGS VS. TRAINING COMPLETERS



DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
CONSTRUCTION, BUILDING INSPECTOR	21908	186	207	2	8	10
HOUSEKEEPERS, INSTITUTIONAL	61008	422	504	9	63	72
JANITORS, CLEANERS, MAIDS	67001	7	9	0	0	0
MAIDS & HOUSEKEEPING CLEANERS	67002	3417	3854	49	138	187
JANITORS & CLEANERS, EXC.MAIDS	67005	5610	6594	109	389	498
PEST CONTROLLERS & ASSISTANTS	67008	51	51	0	5	5
ELEVATOR OPERATORS	67011	1	1	0	0	0
ALL OTHER CLEAN,BUILDING SERVICE	67099	847	932	9	34	43
MAINTENANCE REPAIRERS, GEN.UTIL.	85132	3305	3840	59	160	219
MOBILE HOME INSTALLER & REPAIRER	85938	119	127	1	6	7
PARKING LOT ATTENDANTS	97808	12	16	0	3	3
***TOTALS		13977	16135	238	806	1044

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
CUSTODIAL SERVICES	20.0604				6			5	11
EXECUTIVE HOUSEKEEPIN	20.0605				2			2	4
HOMEMAKER'S AIDE	20.0606				1			1	2
BUILDING & PROPERTY MA	46.0401				21	37		18	76
***TOTALS					30	37		26	93

ANALYSIS INFORMATION

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	Avg. HRWAGE
187.167-046	EXECUTIVE HOUSEKEEPER	0	0	0	6.78
301.474-010	HOUSE WORKER, GENERAL	0	228	370	N.A.
301.687-010	CARETAKER	0	0	0	4.56
321.137-010	HOUSEKEEPER	0	0	0	4.81
323.687-010	CLEANER, HOSPITAL	0	58	59	4.36
323.687-014	CLEANER, HOUSEKEEPING	0	956	973	N.A.
381.137-010	SUPERVISOR, JANITORIAL SERVICES	0	0	0	6.33
381.687-014	CLEANER, COMMERCIAL OR INSTITUTIONAL	0	593	522	4.78
381.687-018	CLEANER, INDUSTRIAL	0	0	0	6.23
382.664-010	JANITOR	0	0	0	5.02
389.684-010	EXTERMINATOR	0	5	3	N.A.
809.687-022	LABORER, SHIPYARD	0	1	0	N.A.
899.381-010	MAINTENANCE REPAIRER, BUILDING	0	620	196	6.95
899.684-022	MAINTENANCE-REPAIRER HELPER, FACTORY	0	3	1	N.A.
919.687-014	CLEANER 2	0	66	71	5.11

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
AMBULANCE DRIVERS & ATTENDANTS	66023	66	74	1	2	3
FIRST LINE SUPERV.: TRANSPORT.	81011	231	263	4	12	16
AIR HAMMER OPERATORS	87702	28	33	1	1	2
PILE DRIVING OPERATORS	87705	5	6	0	0	0
PAVING, SURFACING, TAMPING	87708	156	175	2	6	8
HIGHWAY MAINTENANCE WORKERS	87711	967	1001	4	20	24
RAIL TRACK LAYING EQUIP. OPER.	87714	296	253	-5	6	1
TRUCK DRIVERS	97101	7316	8357	116	271	387
BUS DRIVERS	97108	259	293	4	14	18
BUS DRIVERS, SCHOOL	97111	1426	1697	30	80	110
TAXI DRIVERS & CHAUFFEURS	97114	93	99	1	5	6
ALL OTHER MOTOR VEHICLE OPERATOR	97199	127	140	1	5	6
RAILROAD CONDUCTORS, YARDMASTERS	97302	283	256	-3	7	4
LOCOMOTIVE ENGINEERS	97305	234	226	-1	7	6
RAIL YARD ENGINEERS,DINKEY OPER.	97308	39	34	-1	1	0
LOCOMOTIVE FIRERS	97311	80	66	-2	2	0
RAILROAD BRAKE, SIGNAL, SWITCH	97317	619	539	-9	7	-2
ALL OTHER RAIL VEHICLE OPERATORS	97399	30	27	0	0	0
BRIDGE, LOCK, LIGHTHOUSE TENDERS	97802	16	17	0	0	0
ALL OTHER TRANSPORTATION WORKERS	97899	243	272	3	9	12
TANK CAR & TRUCK LOADERS	97905	18	14	0	0	0
GRADER, DOZER, SCRAPER OPERATORS	97938	384	467	9	41	50
HOIST & WINCH OPERATORS	97941	107	105	0	0	0
CRANE & TOWER OPERATORS	97944	78	83	1	2	3
INDUSTRIAL TRUCK & TRACTOR OPER.	97947	716	649	-7	6	-1
CONVEYOR OPERATORS & TENDERS	97951	264	287	3	8	11
OPERATING ENGINEERS	97956	1210	1373	18	39	57
ALL OTHER TRANSP.,MAT.MOVING OPR	97989	160	177	2	6	8
VEHICLE, EQUIPMENT CLEANERS	98905	467	524	6	5	11
***TOTALS		15918	17507	178	562	740

S U P P L Y R E P O R T

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
VEHICLE & EQUIPMENT OP	49.0201								1 1
CONSTRUCTION EQUIPMEN	49.0202		10		2	13			25
MATERIAL HANDLING	49.0203				9	2		1	12
TRUCK & BUS DRIVING	49.0205		23		11			7	41
VEHICLE & EQUIPMENT OP	49.0299							1	1
***TOTALS			33		22	15		10	80

A N A L Y S I S I N F O R M A T I O N

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
168.267-058	INSPECTOR, MOTOR VEHICLES	0	14	6	N.A.
850.663-022	MOTOR-GRADER OPERATOR	0	0	0	15.50
902.683-010	DUMP-TRUCK DRIVER	0	0	0	14.74
903.683-018	TANK-TRUCK DRIVER	0	25	6	7.61
904.383-010	TRACTOR-TRAILER-TRUCK DRIVER	0	999	316	8.48
905.663-014	TRUCK DRIVER, HEAVY	0	1127	325	9.63
906.683-010	FOOD-SERVICE DRIVER	0	0	0	6.79
906.683-022	TRUCK DRIVER, LIGHT	0	383	153	7.09
913.463-010	BUS DRIVER	0	268	125	6.54
913.463-018	TAXI DRIVER	0	45	24	3.08
913.683-010	AMBULANCE DRIVER	0	0	0	7.44
915.473-010	PARKING-LOT ATTENDANT	0	20	30	3.49
915.667-010	CAR-WASH ATTENDANT, AUTOMATIC	0	16	19	N.A.
919.683-014	DRIVER	0	2	3	N.A.
921.663-010	BRIDGE-OR-GANTRY-CRANE OPERATOR	0	12	0	N.A.
921.663-022	DERRICK OPERATOR	0	0	0	13.39
921.683-042	FRONT-END LOADER OPERATOR	0	0	0	15.44
921.683-050	INDUSTRIAL-TRUCK OPERATOR	0	0	0	9.79
922.687-058	LABORER, STORES	0	0	0	7.28
929.683-014	TRACTOR OPERATOR	0	0	0	11.57
929.687-030	MATERIAL HANDLER	0	1570	7169	7.84
932.683-018	MECHANICAL-SHOVEL OPERATOR	0	0	0	13.13
950.382-026	STATIONARY ENGINEER	0	31	6	10.25

CLUSTER TITLE: BARBERING & COSMETOLOGY

CLUSTER CODE SV03

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
BARBERS	68002	77	83	1	10	11
HAIRDRESSERS & COSMETOLOGISTS	68005	905	1050	16	25	41
MANICURISTS	68008	3	3	0	0	0
***TOTALS		985	1136	17	35	52

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
BARBERING/HAIRSTYLING	12.0402						28		28
COSMETOLOGY	12.0403				4		231	2	237
***TOTALS					4		259	2	265

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
330.371-010	BARBER	0	25	3	N.A.
332.271-010	COSMETOLOGIST	0	183	41	3.93

DEMAND REPORT

[STATEWIDE]	MONTANA DEPARTMENT OF LABOR AND INDUSTRY					
- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
CHILD CARE WORKERS	68038	458	464	1	15	16
***TOTALS		458	464	1	15	16

SUPPLY REPORT

[STATEWIDE]	SCHOOL YEAR 1988-89								
- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
CHILD CARE & GUIDANCE	20.0201	109	11						120
CHILD CARE AIDE/ASSISTI	20.0202				3			2	5
CHILD CARE MANAGEMENT	20.0203				2		2	1	5
***TOTALS		109	11		5		2	3	130

ANALYSIS INFORMATION

[STATEWIDE]	MONTANA DEPARTMENT OF LABOR AND INDUSTRY				
D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
092.227-018	TEACHER, PRESCHOOL	0	0	0	7.76
359.677-010	ATTENDANT, CHILDREN'S INSTITUTION	0	70	65	3.62
359.677-018	NURSERY SCHOOL ATTENDANT	0	258	133	4.48
359.677-026	PLAYROOM ATTENDANT	0	6	2	N.A.

DEMAND REPORT

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	REPLAC	1986-1995 OPEN
*LECTURERS	31111	72	82	1	2	3
*NURSING INSTRUCTORS	31114	127	152	3	5	8
*GRADUATE ASSISTANTS, TEACHING	31117	753	804	6	23	29
*LIFE SCIENCE TEACHERS	31202	275	327	6	9	15
*CHEMISTRY TEACHERS	31204	72	86	2	2	4
*PHYSICS TEACHERS	31206	51	61	1	2	3
*ALL OTHER PHYS. SCIENCE TEACHER	31209	49	58	1	2	3
*SOCIAL SCIENCE TEACHERS	31210	205	243	4	7	11
*HEALTH SPECIALTIES TEACHERS	31212	40	48	1	1	2
*ENGLISH & FOREIGN LANG. TEACHER	31216	188	223	4	15	19
*ART, DRAMA, & MUSIC TEACHERS	31218	148	176	3	5	8
*ENGINEERING TEACHERS	31222	117	139	2	4	6
*MATHEMATICAL SCIENCE TEACHERS	31224	111	132	2	4	6
*COMPUTER SCIENCE TEACHERS	31226	58	69	1	2	3
*ALL OTHER POSTSECONDARY TEACHER	31299	541	643	11	18	29
TEACHERS, PRESCHOOL & KINDERGARTN	31302	893	1036	16	16	32
TEACHERS, ELEMENTARY	31305	5812	6902	121	148	269
TEACHERS, SECONDARY SCHOOL	31308	4418	5116	78	71	149
TEACHERS, SPECIAL EDUCATION	31311	1096	1301	23	19	42
TEACHERS, VOCATIONAL EDUCATION	31314	636	730	10	33	43
INSTRUCTORS, NONVOCATIONAL EDUC	31317	517	640	14	28	42
INSTRUCTORS & COACHES, SPORTS	31321	972	1176	23	52	75
ALL OTHER TEACHERS, INSTRUCTORS	31399	553	660	12	29	41
VOCATIONAL & EDUC. COUNSELORS	31514	335	403	8	8	16
INSTRUCTIONAL COORDINATORS	31517	60	69	1	3	4
TEACHER AIDS-PARAPROFESSIONAL	31521	1129	1338	23	120	143
TEACHER AIDS & EDUC. ASSISTANT	53904	940	1159	24	36	60
***TOTALS		20168	23773	401	664	1065

* POSTSECONDARY LEVEL TEACHERS

S U P P L Y R E P O R T

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SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
EDUCATION, GENERAL	13.0101			169	1			1	171
SCHOOL PSYCHOLOGY	13.0801			5					5
SPECIAL EDUCATION, GEN	13.1001			26					26
EDUCATION OF THE EMOT	13.1005			4					4
EDUCATION OF THE MULT	13.1007			2					2
SPECIFIC LEARNING DISAB	13.1011			5					5
STUDENT COUNSELING &	13.1101			57	3			3	63
ELEMENTARY EDUCATION	13.1202			389	2			4	395
PRE-ELEMENTARY EDUCAT	13.1204			18					18
SECONDARY EDUCATION	13.1205			33	3			13	49
AGRICULTURAL EDUCATIO	13.1301			12					12
ART EDUCATION	13.1302			8					8
BUSINESS EDUCATION	13.1303			31					31
ENGLISH EDUCATION	13.1305			24					24
FOREIGN LANGUAGES EDU	13.1306			1					1
INDUSTRIAL ARTS EDUCA	13.1309			29				2	31
MATHEMATICS EDUCATION	13.1311			17					17
MUSIC EDUCATION	13.1312			21					21
PHYSICAL EDUCATION	13.1314			116				2	118
READING EDUCATION	13.1315			14					14
SCIENCE EDUCATION	13.1316			19					19
SOCIAL SCIENCE EDUCATI	13.1317			7					7
SOCIAL STUDIES EDUCATI	13.1318			40					40
TECHNICAL EDUCATION	13.1319			8					8
TRADE & INDUSTRIAL EDU	13.1320			2					2
COMPUTER EDUCATION	13.1321				1			2	3
TEACHER EDUCATION, SPE	13.1399			2					2
TEACHER ASSISTING	13.1501				1			1	2
SIGN LANGUAGE INTERPR	17.0410							1	1
HOME ECONOMICS, GENE	19.0101			48					48
INDIVIDUAL & FAMILY DEVE	19.0701			4					4
***TOTALS					1111	11			29 1151

ANALYSIS INFORMATION

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
045.107-010	COUNSELOR	0	224	56	8.90
075.121-010	NURSE, INSTRUCTOR	0	0	0	14.50
090.227-010	FACULTY MEMBER, COLLEGE OR UNIVERSITY	0	95	8	10.35
091.227-010	TEACHER, SECONDARY SCHOOL	0	438	503	7.89
092.227-010	TEACHER, ELEMENTARY SCHOOL	0	542	2846	6.35
092.227-014	TEACHER, KINDERGARTEN	0	0	0	5.93
094.227-018	TEACHER, HANDICAPPED STUDENTS	0	0	0	5.07
097.227-014	INSTRUCTOR, VOCATIONAL TRAINING	0	0	0	8.70
099.117-018	PRINCIPAL	0	0	0	10.56
099.327-010	TEACHER AIDE 1	0	0	0	4.99
153.227-014	INSTRUCTOR, PHYSICAL	0	0	0	5.33
153.227-018	INSTRUCTOR, SPORTS	0	0	0	7.62
249.367-074	TEACHER AIDE 2	0	332	503	4.63

CLUSTER TITLE: FOOD PRODUCTION

CLUSTER CODE SV06

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
BAKERS, BREAD & PASTRY	65021	518	604	10	22	32
BUTCHERS & MEAT CUTTERS	65023	569	667	11	18	29
COOKS, RESTAURANT	65026	2603	3119	57	113	170
COOKS, INSTITUTION OR CAFETERIA	65028	1317	1590	30	58	88
COOKS, FAST FOOD & SHORT ORDER	65030	2178	2414	26	79	105
FOOD PREPARATION WORKERS	65038	3379	3988	68	20	88
BUTCHERS & MEATCUTTERS	89801	98	94	0	3	3
BAKERS, MANUFACTURING	89805	133	127	-1	4	3
FOOD BATCHMAKERS	89808	4	4	0	1	1
ALL OTHER PRECISION FOOD, TOBACCO	89899	27	26	0	4	4
CANNERY WORKERS	93935	18	17	0	0	0
MEAT, POULTRY, FISH CUTTERS	93938	4	4	0	0	0
***TOTALS		10848	12654	201	322	523

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
FOOD SCIENCES & HUMAN 19.0501				11					11
FOOD PRODUCTION, MGMT 20.0401		84	6						90
BAKING 20.0402					3	4			7
CHEF/COOK 20.0403			16		22	44		8	90
DIETETIC AIDE/ASSISTING 20.0404					2			1	3
SCHOOL FOOD SERVICE 20.0408					14			11	25
MEATCUTTING 48.0402								1	1
SLAUGHTERING & BUTCHE 48.0403					1				1
***TOTALS		84	22	11	42	48		21	228

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
222.684-010	MEAT CLERK	0	0	0	8.52
313.131-014	CHEF	0	45	11	5.67
313.361-014	COOK	0	1241	836	4.58
313.361-022	COOK, SHORT ORDER 1	0	596	356	4.43
313.361-026	COOK, SPECIALTY	0	95	12	N.A.
313.361-030	COOK, SPECIALTY, FOREIGN FOOD	0	20	10	N.A.
313.381-010	BAKER	0	18	9	6.61
313.684-010	BAKER HELPER	0	3	1	N.A.
315.361-010	COOK	0	323	178	5.69
316.684-010	BUTCHER, CHICKEN AND FISH	0	1	1	N.A.
316.684-018	MEAT CUTTER	1	162	41	8.37
317.684-014	PANTRY GOODS MAKER	0	57	48	N.A.
317.687-010	COOK HELPER	0	204	70	4.17
318.687-010	KITCHEN HELPER	0	1415	1237	3.82
355.677-010	FOOD-SERVICE WORKER, HOSPITAL	0	135	151	4.64
525.684-010	BONER, MEAT	0	0	0	5.73
525.684-030	FISH CLEANER	0	18	152	N.A.
525.687-082	POULTRY-DRESSING WORKER	0	3	0	N.A.
526.381-010	BAKER	4	108	50	7.90
526.381-026	COOK, KETTLE	0	0	0	5.92
526.684-010	DOUGHNUT MAKER	0	9	22	N.A.
526.686-010	BAKER HELPER	0	55	33	N.A.
529.387-030	QUALITY-CONTROL TECHNICIAN	0	0	0	6.85
529.686-014	CANNERY WORKER	0	18	39	N.A.
529.687-074	EGG CANDLER	0	5	0	N.A.
929.686-010	BAKERY WORKER	0	22	3	N.A.

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
ALL OTHER SERVICE SUPERVISORS	61099	726	839	13	25	38
HOSTS & HOSTesses: REST., LOUNGE	65002	522	615	10	18	28
BARTENDERS	65005	2931	3358	47	104	151
WAITERS & WAITRESSES	65008	6699	7743	116	97	213
FOOD SERVERS, OUTSIDE	65011	131	160	3	0	3
DINING ROOM & BARTENDER HELPERS	65014	1051	1211	18	11	29
COUNTER ATTENDANTS	65017	841	952	12	2	14
COMB. FOOD PREPARATION, SERVICE	65041	3702	4111	45	52	97
ALL OTHER FOOD SERVICE WORKERS	65099	817	950	15	29	44
ALL OTHER SERVICE WORKERS	69999	658	749	10	57	67
***TOTALS		18078	20688	289	395	684

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
WAITER/WAITRESS & RELA	08.0905					2			2
FOOD SERVICE	20.0406					28	5	11	44
***TOTALS						28	7	11	46

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	Avg. HRWAGE
211.462-010	CASHIER 2	0	1410	713	N.A.
222.387-058	STOCK CLERK	0	427	236	5.99
311.477-014	COUNTER ATTENDANT, LUNCHROOM OR COFFEE	0	549	725	3.47
311.477-018	WAITER/WAITRESS, BAR	0	0	0	3.84
311.477-030	WAITER/WAITRESS, INFORMAL	0	1713	882	3.39
311.477-038	WAITER/WAITRESS, TAKE OUT	0	31	24	N.A.
311.677-010	CAFETERIA ATTENDANT	0	36	17	N.A.
311.677-018	DINING ROOM ATTENDANT	0	0	0	3.49
312.474-010	BARTENDER	0	1128	416	5.21
319.474-010	FOUNTAIN SERVER	0	5	0	3.29

DEMAND REPORT

[STATEWIDE]

- OCCUPATION - TITLE	OES CODE	MONTANA DEPARTMENT OF LABOR AND INDUSTRY			
		1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC
FUNERAL DIRECTORS & MORTICIANS	39011	102	118	2	5
EMBALMERS	39014	21	24	0	0
FUNERAL ATTENDANTS	68041	34	39	1	3
***TOTALS		157	181	3	8
					11

NO SUPPLY REPORT

ANALYSIS INFORMATION

[STATEWIDE]

D.O.T. CODE	D.O.T. TITLE	MONTANA DEPARTMENT OF LABOR AND INDUSTRY			
		APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
187.167-030	DIRECTOR, FUNERAL	0	3	0	14.73

CLUSTER TITLE: THEOLOGICAL SERVICE**CLUSTER CODE SV09****D E M A N D R E P O R T**

[STATEWIDE]	MONTANA DEPARTMENT OF LABOR AND INDUSTRY					
- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
CLERGY	27502	35	39	0	3	3
DIRECTORS, RELIGIOUS ACTIV./EDUC.	27505	2	2	0	0	0
ALL OTHER RELIGIOUS WORKERS	27599	4	3	0	0	0
***TOTALS		41	44	0	3	3

S U P P L Y R E P O R T

[STATEWIDE]	SCHOOL YEAR 1988-89								
- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
RELIGION	38.0201			4					4
BIBLE STUDIES	39.0201			4					4
RELIGIOUS EDUCATION	39.0401			2					2
THEOLOGICAL STUDIES	39.0601			3	1				4
***TOTALS				13	1				14

NO ANALYSIS REPORT

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
SOCIAL SERVICE TECHNICIANS	27308	209	226	2	6	8
SOCIAL WORKERS	27310	1167	1302	15	43	58
WELFARE ELIGIBILITY WORKERS	53502	269	286	2	7	9
SOCIAL WELFARE SERVICE AIDES	68034	191	217	3	7	10
***TOTALS		1836	2031	22	63	85

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
INSTITUTIONAL MANAGEM	06.0799			8			2		10
MENTAL HEALTH/HUMAN S	17.0405			3	2			1	6
REHABILITATION COUNSEL	17.0407			16					16
COMPANION TO THE AGED	20.0602				2			3	5
SOCIAL WORK, GENERAL	44.0701			45	3			1	49
MEDICAL SOCIAL WORK	44.0702				1			3	4
SOCIAL WORK, OTHER	44.0799			9					9
***TOTALS				81	8		2	8	99

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

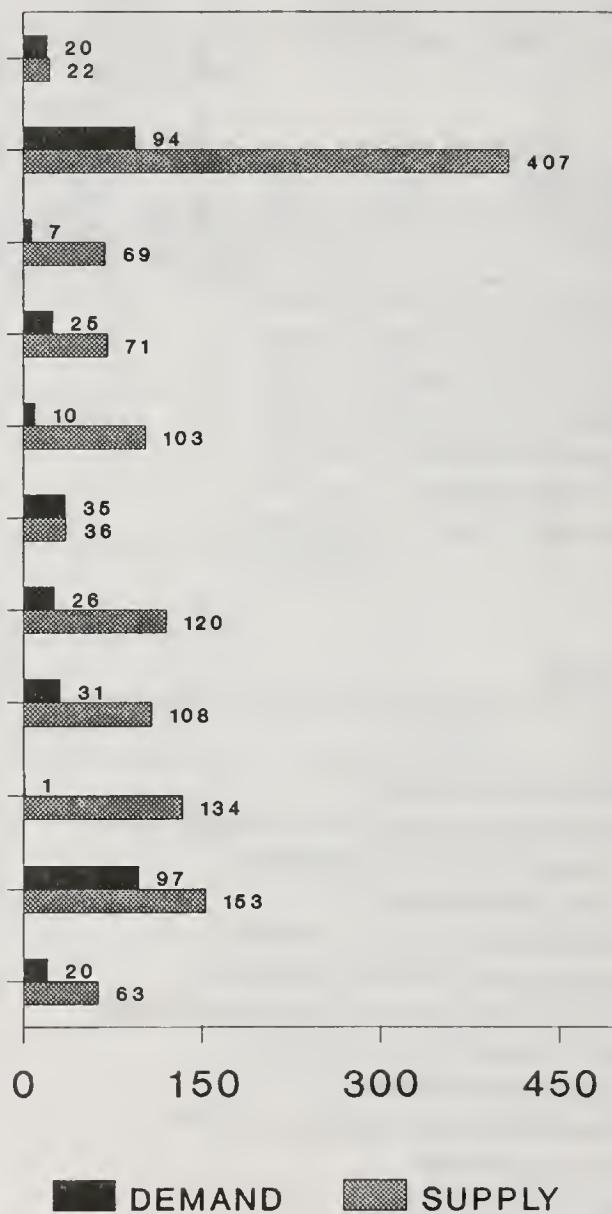
D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
054.067-014	SOCIOLOGIST	0	3	0	N.A.
187.117-046	PROGRAM DIRECTOR, GROUP WORK	0	0	0	9.37
187.167-186	RESIDENCE SUPERVISOR	0	21	16	8.89
195.107-010	CASEWORKER	0	43	35	7.95
195.107-022	SOCIAL GROUP WORKER	0	30	7	N.A.
195.107-030	SOCIAL WORKER, MEDICAL	0	0	0	7.12
195.117-010	ADMINISTRATOR, SOCIAL WELFARE	0	0	0	11.67
195.137-010	CASEWORK SUPERVISOR	0	0	0	7.10
195.164-010	GROUP WORKER	0	0	0	5.34
195.227-010	PROGRAM AIDE, GROUP WORK	0	0	0	4.89
195.367-010	CASE AIDE	0	0	0	5.64
309.354-010	HOMEMAKER	0	0	0	4.17
309.677-010	COMPANION	0	102	144	N.A.

TECHNOLOGY CLUSTERS

DEMAND VS. SUPPLY

ESTIMATED ANNUAL OPENINGS VS. TRAINING COMPLETERS

TC01 POWER STATION OPERATOR
TC02 ARCHITECTURAL & CIVIL TECHNOLOGY
TC03 CHEMICAL TECHNOLOGY
TC04 ENVIRONMENTAL CONTROL TECHNOLOGY
TC05 MECHANICAL TECHNOLOGY
TC06 PRECISION INSTRUMENT TECHNOLOGY
TC07 MATH TECHNOLOGY
TC08 AVIATION
TC09 INDUSTRIAL ENGINEERING
TC10 NATURAL RESOURCES TECHNOLOGY
TC11 ENGINEERING



DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
NUCLEAR ENGINEERS	22117	3	4	0	0	0
FURNACE OPERATORS & TENDERS	91935	25	19	-1	0	-1
LOW PRESSURE BOILER OPERATOR	92926	124	139	2	5	7
POWER GENERATING PLANT OPERATOR	95021	104	114	1	1	2
AUXILIARY EQUIP. OPER., POWER	95023	85	89	0	1	1
POWER DISTRIBUTORS & DISPATCHERS	95028	69	74	1	1	2
STATIONARY ENGINEERS	95032	114	118	0	4	4
ALL OTHER PLANT & SYSTEM OCC.	95099	93	108	2	3	5
***TOTALS		617	665	5	15	20

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
ENERGY, POWER, & TRANS	21.0105		21						21
HEATING & AIR CONDITION	47.0203					1			1
***TOTALS		21				1			22

ANALYSIS INFORMATION

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
631.261-014	POWERHOUSE MECHANIC	7	0	0	N.A.
950.382-010	BOILER OPERATOR	5	0	0	N.A.
952.382-018	POWER-PLANT OPERATOR	0	8	0	N.A.

DEMAND REPORT

[STATEWIDE]	MONTANA DEPARTMENT OF LABOR AND INDUSTRY					
- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
CIVIL ENGINEERS, INCL. TRAFFIC	22121	726	828	11	20	31
ARCHITECTS, EXC. LAND. & MARINE	22302	193	243	6	9	15
LANDSCAPE ARCHITECTS	22308	19	22	0	1	1
SURVEYING & MAPPING SCIENTISTS	22311	149	177	3	4	7
CIVIL ENGINEERING TECHNICIANS	22502	409	456	5	8	13
DRAFTERS	22514	459	531	8	3	11
SURVEYING & MAPPING TECHNICIAN	22521	334	389	6	10	16
URBAN & REGIONAL PLANNERS	27105	97	100	0	0	0
TRAFFIC TECHNICIANS	39005	5	5	0	0	0
***TOTALS		2391	2751	39	55	94

SUPPLY REPORT

[STATEWIDE]	SCHOOL YEAR 1988-89								
- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
ARCHITECTURE	04.0201			38					38
CITY, COMMUNITY, & REG	04.0301			4					4
CIVIL ENGINEERING	14.0801			66	1				67
ARCHITECTURAL DESIGN	15.0101			7					7
CIVIL TECHNOLOGY	15.0201		3						3
DRAFTING & DESIGN TECH	15.0202			16					16
SURVEYING & MAPPING TE	15.0203			9	2			1	12
DRAFTING & DESIGN	21.0103	186							186
GEOGRAPHY	45.0701			9					9
DRAFTING, GENERAL	48.0101	44	12		1				57
ARCHITECTURAL DRAFTIN	48.0102				1				1
DRAFTING, OTHER	48.0199		6						6
***TOTALS		230	21	149	5			2	407

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
001.061-010	ARCHITECT	0	0	0	14.71
001.261-010	DRAFTER, ARCHITECTURAL	0	38	18	9.12
005.061-014	CIVIL ENGINEER	0	51	24	15.39
005.061-034	STRUCTURAL ENGINEER	0	0	0	13.33
005.281-010	DRAFTER, CIVIL	0	20	7	9.33
005.281-014	DRAFTER, STRUCTURAL	0	5	2	N.A.
018.167-010	CHIEF OF PARTY	0	14	4	N.A.
018.167-018	LAND SURVEYOR	0	0	0	9.59
018.167-034	SURVEYOR ASSISTANT, INSTRUMENTS	0	0	0	10.05
182.267-010	CONSTRUCTION INSPECTOR	0	8	4	N.A.
869.567-010	SURVEYOR HELPER	0	0	0	4.29

DEMAND REPORT

[STATEWIDE]

- OCCUPATION - TITLE	OES CODE	MONTANA DEPARTMENT OF LABOR AND INDUSTRY		EST. ANNUAL GROWTH	REPLAC	1986-1995 OPEN
		1986 EMPLOY	1995 EMPLOY			
CHEMICAL ENGINEERS	22114	52	54	0	1	1
CHEMISTS, EXCEPT BIOCHEMISTS	24105	97	104	1	1	2
CHEMICAL TECHNICIANS, EXC. HEALTH	24505	103	105	0	3	3
CHEMICAL EQUIP. CONTROLLER/OPER.	92935	79	72	-1	1	0
CHEMICAL EQUIPMENT TENDER	92938	20	24	0	0	0
CHEMICAL PLANT & SYSTEM OPER.	95008	50	50	0	1	1
***TOTALS		401	409	0	7	7

SUPPLY REPORT

[STATEWIDE]

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	SCHOOL YEAR 1988-89		
							PRIV. SCHOOL	VOC REHAB	TOTAL *****
CHEMICAL ENGINEERING	14.0701			32					32
EPIDEMIOLOGY	18.2202							1	1
CHEMISTRY, GENERAL	40.0501			36					36
***TOTALS				68				1	69

ANALYSIS INFORMATION

[STATEWIDE]

D.O.T. CODE	D.O.T. TITLE	APPREN	MONTANA DEPARTMENT OF LABOR AND INDUSTRY		
			J.S. APPS	J.S. OPEN	AVG. HRWAGE
008.261-010	CHEMICAL-ENGINEERING TECHNICIAN	0	1	0	N.A.
022.061-010	CHEMIST	0	23	1	12.40
022.261-010	CHEMICAL-LABORATORY TECHNICIAN	0	9	0	N.A.
029.261-010	LABORATORY TESTER	0	20	7	10.43
559.382-046	PILOT-CONTROL OPERATOR	0	7	6	N.A.

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
SAFETY ENGINEERS, EXCEPT MINING	22132	39	45	1	1	2
METEOROLOGISTS	24108	22	23	0	0	0
WATER & WASTE TREAT. PLANT OPER.	95002	355	398	5	1	6
REFUSE COLLECTORS	98705	357	402	5	12	17
***TOTALS		773	868	11	14	25

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
RENEWABLE NATURAL RES 03.0101				5					5
RENEWABLE NATURAL RES 03.9999				18					18
ENVIRONMENTAL HEALTH 14.1401				16					16
URBAN PLANNING TECHNO 15.0204					1				1
WATER & WASTEWATER TE 15.0506				3					3
ENVIRONMENTAL CONTROL 15.0599				10	2				12
OCCUPATIONAL SAFETY & 15.0701				9	1			1	11
PUBLIC HEALTH PRACTICE 18.2204								1	1
FIRE CONTROL & SAFETY 43.0201				1	1				2
PUMPING PLANTS 47.0504					2				2
***TOTALS				62	7			2	71

ANALYSIS INFORMATION

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
005.061-030	SANITARY ENGINEER	0	0	0	14.81
012.167-058	SAFETY MANAGER	0	0	0	15.13
551.485-010	WATER-TREATMENT-PLANT OPERATOR	0	2	0	N.A.
929.687-022	LABORER, SALVAGE	0	20	18	N.A.
954.362-010	DITCH RIDER	0	0	0	7.75
954.382-014	WATER-TREATMENT-PLANT OPERATOR	0	22	5	N.A.
954.382-018	WATERSHED TENDER	0	0	0	7.70

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
MECHANICAL ENGINEERS	22135	168	208	4	5	9
MECHANICAL ENGINEERING TECHN.	22511	13	19	1	0	1
***TOTALS		181	227	5	5	10

SUPPLY REPORT

[STATEWIDE]

SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
MECHANICAL ENGINEERIN	14.1901			93					93
MECHANICAL DESIGN TEC	15.0805			6				2	8
MECHANICAL DRAFTING	48.0105				1			1	2
***TOTALS				99	1			3	103

ANALYSIS INFORMATION

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
007.061-014	MECHANICAL ENGINEER	0	21	3	16.67
007.161-026	MECHANICAL-ENGINEERING TECHNICIAN	0	29	2	10.16

DEMAND REPORT

[STATEWIDE]

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
PRECISION INSPEC.,TESTERS,&GRADE	83002	72	76	0	2	2
PRECISION INSTRUMENT REPAIRERS	85905	87	94	1	13	14
WATCHMAKERS	85917	12	13	0	2	2
MUSICAL INSTRUMENT REPAIR & TUNE	85921	31	41	1	5	6
LOCKSMITHS & SAFE REPAIRERS	85923	1	1	0	0	0
JEWELERS & SILVERSMITHS	89123	107	125	2	5	7
PRECISION HAND WORKERS, JEWELRY	89126	3	4	0	0	0
PRECISION ETCHERS & ENGRAVERS	89128	7	8	0	1	1
OPTICAL GOODS WORKERS	89917	18	21	0	1	1
ALL OTHER PRECISION WORKERS	89999	104	112	1	1	2
CUTTING & SLICING SETTER/OPER.	92941	5	5	0	0	0
***TOTALS		447	500	5	30	35

SUPPLY REPORT

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SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
DENTAL LABORATORY TEC	17.0103				3				3
LOCKSMITHING & SAFE RE	47.0403				1			1	2
WATCH REPAIR	47.0408		5		2				7
MECHANICS & REPAIRERS	47.9999			19					19
JEWELRY DESIGN, FABRIC	48.0602							1	1
PRECISION PRODUCTION,	48.9999	2			2				4
***TOTALS		2	24		8			2	36

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	Avg. HRWAGE
700.281-010	JEWELER	1	0	0	7.31
712.381-018	DENTAL-LABORATORY TECHNICIAN	0	13	1	8.49
712.664-010	DENTAL CERAMIST ASSISTANT	0	2	0	N.A.
712.681-018	FINISHER, DENTURE	0	1	0	N.A.
715.281-010	WATCH REPAIRER	1	1	0	N.A.
716.382-018	PRECISION-LENS GRINDER	0	6	1	N.A.
716.682-010	EYEGLASS-LENS CUTTER	0	1	0	N.A.

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
ENGINEER., MATH., NAT. SCI. MGR.	13017	186	202	2	7	9
PHYSICISTS & ASTRONOMERS	24102	3	3	0	0	0
ALL OTHER PHYSICAL SCIENTISTS	24199	105	120	2	14	16
STATISTICIANS	25312	12	13	0	1	1
ALL OTHER MATHEMATICAL SCIENTIST	25319	25	28	0	0	0
MATHEMATICAL TECHNICIANS	25323	1	1	0	0	0
***TOTALS		332	367	4	22	26

SUPPLY REPORT

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SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
MATHEMATICS, GENERAL	27.0101			84					84
PURE MATHEMATICS	27.0401			2					2
STATISTICS	27.0501			5					5
PHYSICS, GENERAL	40.0801			29					29
***TOTALS				120					120

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[STATEWIDE]	MONTANA DEPARTMENT OF LABOR AND INDUSTRY					
- OCCUPATION -	OES	1986	1995	EST. ANNUAL	1986-1995	
TITLE	CODE	EMPLOY	EMPLOY	GROWTH	REPLAC	OPEN
AIR TRAFFIC CONTROLLERS	39002	138	149	1	3	4
AIRCRAFT MECHANICS	85323	166	218	6	7	13
AIRCRAFT ENGINE SPECIALISTS	85326	28	32	0	0	0
AIRCRAFT PILOTS,FLIGHT ENGINEERS	97702	176	266	10	4	14
***TOTALS		508	665	17	14	31

SUPPLY REPORT

[STATEWIDE]	SCHOOL YEAR 1988-89								
- PROGRAM -	CIP	PUBLIC	VOC	HIGHER	JOB	PRIV.	VOC	TOTAL	*****
TITLE	CODE	SECOND	TECH	EDUC	JTPA	CORPS	SCHOOL	REHAB	
AIRCRAFT MECHANICS, AIR	47.0607		42		4				46
AIRCRAFT MECHANICS, PO	47.0608		20		1			2	23
AIRPLANE PILOTING & NAV	49.0102						9		9
AIRPLANE PILOTING (PRIVA	49.0107						30		30
***TOTALS			62		5		39	2	108

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[STATEWIDE]	MONTANA DEPARTMENT OF LABOR AND INDUSTRY				
D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
193.162-018	AIR-TRAFFIC-CONTROL SPECIALIST, TOWER	0	5	0	N.A.
196.263-014	AIRPLANE PILOT, COMMERCIAL	0	0	0	12.41
352.367-010	AIRPLANE-FLIGHT ATTENDANT	0	4	0	N.A.
621.261-018	FLIGHT ENGINEER	0	1	0	N.A.
621.281-014	AIRFRAME-AND-POWER-PLANT MECHANIC	0	75	5	N.A.
621.381-014	MECHANIC, AIRCRAFT ACCESSORIES	0	7	0	N.A.
806.381-010	AIRCRAFT MECHANIC, ARMAMENT	0	3	0	N.A.
806.381-018	AIRCRAFT MECHANIC, RIGGING AND CONTROL	0	1	0	N.A.
806.381-022	ASSEMBLER, AIRCRAFT POWER PLANT	0	1	0	N.A.
823.281-010	AVIONICS TECHNICIAN	2	0	0	N.A.
862.381-010	AIRCRAFT MECHANIC, PLUMBING AND HYDRAU	0	8	1	N.A.
912.367-014	TRANSPORTATION AGENT	0	4	0	N.A.

DEMAND REPORT

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- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	MONTANA DEPARTMENT OF LABOR AND INDUSTRY		
				GROWTH	EST. ANNUAL REPLAC	1986-1995 OPEN
INDUSTRIAL ENGINEERS, EXC. SAFETY	22128	28	34	1	0	1
INDUSTRIAL ENGINEERING TECHN.	22508	3	3	0	0	0
***TOTALS		31	37	1	0	1

SUPPLY REPORT

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- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JOB JTPA	PRIV. CORPS	SCHOOL YEAR 1988-89		
							SCHOOL	VOC REHAB	TOTAL *****
INDUSTRIAL ENGINEERING	14.1701			23					23
INDUSTRIAL PRODUCTION	15.0699			7					7
INDUSTRIAL ARTS, GENER	21.0101		31						31
INDUSTRIAL ARTS, OTHER	21.0199		73						73
***TOTALS		104		30					134

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D.O.T. CODE	D.O.T. TITLE		MONTANA DEPARTMENT OF LABOR AND INDUSTRY			
			APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
012.167-030	INDUSTRIAL ENGINEER		0	0	0	13.11
012.267-010	INDUSTRIAL ENGINEERING TECHNICIAN		0	1	0	N.A.
142.061-026	INDUSTRIAL DESIGNER		0	0	0	11.89
199.361-010	RADIOGRAPHER		0	18	3	N.A.

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	REPLAC	1986-1995 OPEN
METALLURGISTS & REL. ENGINEERS	22105	23	24	0	0	0
MINING ENGINEERS, INC. SAFETY	22108	111	137	3	1	4
PETROLEUM ENGINEERS	22111	29	33	0	0	0
GEOLOGIST, GEOPHYSICIST, OCEANOGR.	24111	341	409	8	6	14
PETROLEUM TECHNICIANS & TECHNOL.	24511	16	18	0	0	0
ALL OTHER SCIENCE TECHNICIANS	24599	254	303	5	3	8
MACHINERY MECH.:UNDERGROUND MINE	85117	2	2	0	0	0
EARTH DRILLERS, EX. OIL & GAS	87902	183	206	3	7	10
BLASTERS & EXPLOSIVES WORKERS	87905	111	122	1	4	5
ROTARY DRILL OPERATORS	87911	130	133	0	1	1
DERRICK OPERATORS, OIL & GAS	87914	68	69	0	0	0
SERVICE UNIT OPERATORS	87917	232	236	0	5	5
ROUSTABOUTS	87921	445	429	-2	10	8
ROOF BOLTERS	87923	33	34	0	1	1
MINE CUTTING MACHINE OPERATORS	87943	139	144	1	1	2
ALL OTHER MINING MACH. OPERATORS	87949	24	27	0	0	0
ALL OTHER EXTRACTIVE OCC.,EX.HEL	87989	46	47	0	2	2
ALL OTHER CONSTR. & EXTRACTIVE	87999	93	112	2	2	4
GAS PLANT OPERATORS	95005	84	93	1	3	4
PETROLEUM PUMP SYSTEM OPERATORS	95011	10	8	0	0	0
PETROLEUM REFINERY OPERATORS	95014	65	51	-2	2	0
GAUGERS	95017	8	7	0	0	0
OIL PUMPERS, EXCEPT WELL HEAD	97908	52	52	0	1	1
WELL HEAD PUMPERS	97911	118	119	0	3	3
MAIN LINE STATION ENGINEERS	97914	13	12	0	0	0
GAS PUMPING STATION OPERATORS	97917	9	10	0	0	0
GAS COMPRESSOR OPERATORS	97921	26	29	0	1	1
EXCAVATION LOADING MACHINE OPER.	97923	274	326	6	13	19
DRAGLINE OPERATORS	97926	39	50	1	2	3
UNDERGROUND LOADING MACH. OPER.	97932	13	13	0	1	1
PUMP OPERATORS	97953	78	70	-1	2	1
HELPERS, EXTRACTIVE WORKERS	98323	25	29	0	0	0
***TOTALS		3094	3354	26	71	97

SUPPLY REPORT

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SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
GEOLOGICAL ENGINEERIN	14.1501			10					10
GEOPHYSICAL ENGINEERI	14.1601			11					11
METALLURGICAL ENGINEEE	14.2001			5					5
MINING & MINERAL ENGINE	14.2101			18	2				20
PETROLEUM ENGINEERING	14.2501			46					46
PETROLEUM TECHNOLOGY	15.0903				1			3	4
GEOLOGY	40.0601			31					31
GEOCHEMISTRY	40.0602			4					4
EARTH SCIENCE	40.0703			11					11
OIL & GAS DRILLING EQUIP	47.0305				1				1
MINING EQUIPMENT OPER	49.0204				9			1	10
***TOTALS				136	13			4	153

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

D.O.T. CODE	D.O.T. TITLE	APPREN	J.S. APPS	J.S. OPEN	AVG. HRWAGE
010.281-014	DRAFTER, GEOLOGICAL	0	0	0	9.41
011.061-010	FOUNDRY METALLURGIST	0	0	0	16.34
011.261-010	METALLURGICAL TECHNICIAN	0	4	0	N.A.
024.061-018	GEOLOGIST	0	0	0	15.34
024.061-022	GEOLOGIST, PETROLEUM	0	0	0	29.00
181.167-014	SUPERINTENDENT, DRILLING AND PRODUCTIO	0	0	0	17.59
549.260-010	REFINERY OPERATOR	0	24	18	N.A.
629.381-014	OIL-FIELD EQUIPMENT MECHANIC	0	0	0	8.81
850.683-010	BULLDOZER OPERATOR 1	0	41	8	15.44
850.683-030	POWER-SHOVEL OPERATOR	0	0	0	14.39
859.683-010	OPERATING ENGINEER	5	1321	58	14.52
869.684-046	ROUSTABOUT	0	0	0	7.88
914.382-014	PUMPER-GAGER	2	0	0	N.A.
914.384-010	GAGER	0	0	0	13.08
930.130-010	TOOL PUSHER	0	0	0	10.74
930.382-018	PROSPECTING DRILLER	0	0	0	10.56
930.382-026	ROTARY DRILLER	0	0	0	14.33
930.683-018	DERRICK WORKER, WELL SERVICE	0	0	0	8.96
930.684-014	FLOOR WORKER, WELL SERVICE	0	0	0	8.65
930.684-026	ROTARY-DRILLER HELPER	0	187	44	N.A.
931.261-010	BLASTER	0	0	0	16.34

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

- OCCUPATION - TITLE	OES CODE	1986 EMPLOY	1995 EMPLOY	EST. ANNUAL GROWTH	1986-1995 REPLAC	OPEN
ALL OTHER ENGINEERS	22199	96	116	2	3	5
ALL OTHER ENGINEERING TECHNICIAN	22599	441	495	6	9	15
***TOTALS		537	611	8	12	20

SUPPLY REPORT

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SCHOOL YEAR 1988-89

- PROGRAM - TITLE	CIP CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
ENGINEERING, GENERAL	14.0101			36	1			2	39
ENGINEERING MECHANICS	14.1101			2					2
ENGINEERING, OTHER	14.9999			4					4
ENGINEERING & ENG.-REL	15.9999			18					18
***TOTALS				60	1			2	59

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ALL OTHER FIRST LINE SUPERVISORS	81099	66
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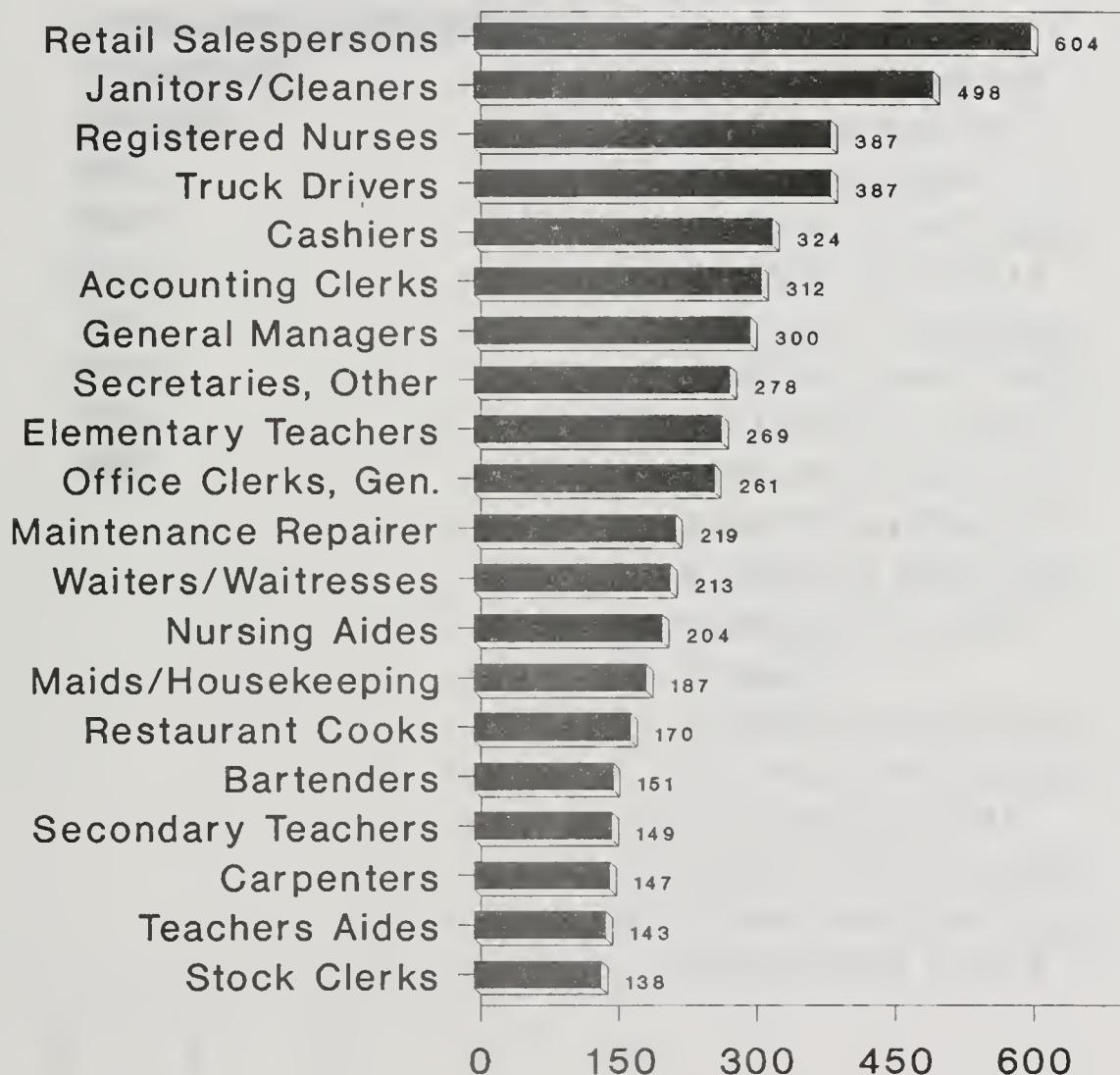
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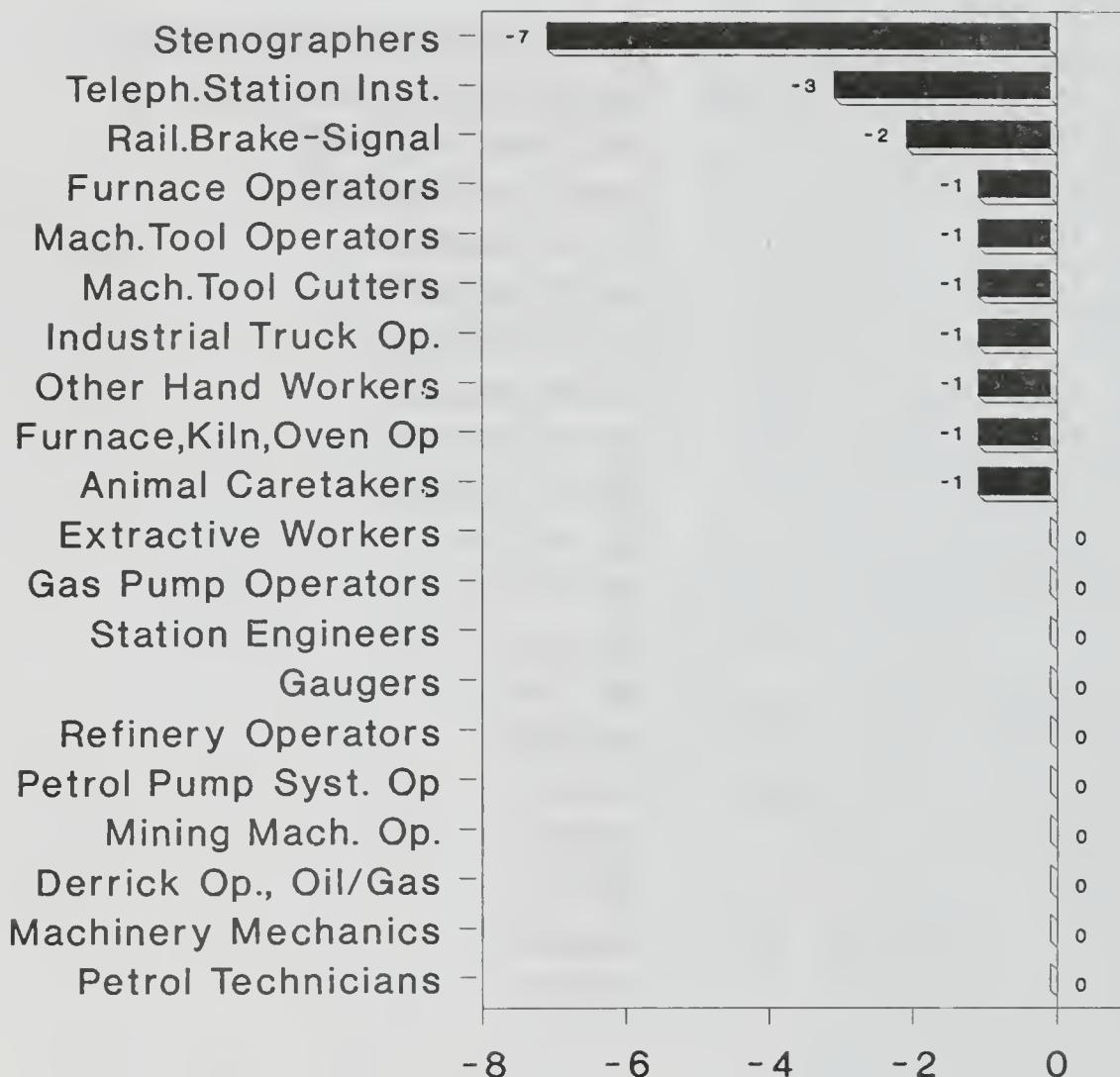
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